

CODE ANALYSIS - SUMMARY

PROJECT	APPLICABLE CODES	YEAR
CHARLES COUNTY ANIMAL CARE CENTER PINEY CHURCH ROAD WALDORF, MARYLAND 20602	INTERNATIONAL BUILDING CODE	2018
	INTERNATIONAL ENERGY CONSERVATION CODE	2018
	INTERNATIONAL MECHANICAL CODE	2018
	INTERNATIONAL PLUMBING CODE	2018
	NATIONAL ELECTRIC CODE	2014
	INTERNATIONAL FUEL GAS CODE	2018
	MARYLAND ACCESSIBILITY CODE	
	MARYLAND SAFETY GLAZING LAW	
	NFPA 101: LIFE SAFETY	2018

PROJECT DESCRIPTION

THIS PROJECT IS A NEW ANIMAL CARE CENTER FOR CHARLES COUNTY. IT CONTAINS MULTIPLE STRUCTURES INCLUDING THE MAIN FACILITY, A BARN, A CARPORT, AND A PAVILION. THE MAIN BUILDING IS A MIXTURE OF CONVENTIONAL CONSTRUCTION AND A PRE-MANUFACTURED BUILDING SYSTEM USED FOR THE "DOG-WING". THE ENTIRE FACILITY IS CLASSIFIED AS A TYPE IIB SINGLE-BUILDING AND WILL BE FULLY-SPRINKLERED. THE REMAINING STRUCTURES ARE ALL PRE-MANUFACTURED BUILDING SYSTEMS AND WILL NOT BE SPRINKLERED. THE CARPORT AND PAVILION ARE OPEN-AIR STRUCTURES. THE BARN WILL BE USED FOR AGRICULTURAL ANIMAL HOLDING AND STORAGE. THE BARN, CARPORT, AND PAVILION WILL BE SUBMITTED UNDER SEPARATE PERMITS. THE MAIN BUILDING CONTAINS A LOBBY, ANIMAL HOLDING, SUPPORT SPACES FOR THE ANIMALS, AN EDUCATION CENTER, AN AREA FOR A FUTURE SPRAY/NEUTER CLINIC, ADMINISTRATION OFFICES, AND A SALLEYPORT. THESE SPACES ARE SEPARATED IN PUBLIC SPACES OR PRIVATE SPACES WHERE THE PUBLIC WILL NOT BE ALLOWED ACCESS. REFER TO THE CODE PLAN FOR CLARIFICATION.

CODE ANALYSIS - MAIN FACILITY

USE CLASSIFICATION (IBC CHAPTER 3)	CONSTRUCTION TYPE - CHAPTER 6																												
MAIN BUILDING: NON-SEPARATED MIXED USE B: BUSINESS ANIMAL HOSPITAL, KENNELS, & POUNDS, EDUCATION CENTER (PER 303.1.2) S-1: MOD-HAZ STOR MOTOR VEHICLE COMPLYING W/ MIN. HAZ MAT.	MAIN BUILDING CONSTRUCTION TYPE: IIB FULLY-SPRINKLERED REQUIRED FIRE-RESISTANCE FOR BUILDING ELEMENTS (IBC TABLE 601) MAIN BLDG PRIMARY STRUCTURAL FRAME: 0 BEARING WALLS EXTERIOR 0 INTERIOR 0 NONBEARING WALLS EXTERIOR 0 INTERIOR 0 FLOOR CONSTRUCTION 0 ROOF CONSTRUCTION 0																												
OCCUPANCY CLASSIFICATION (IBC TABLE 1004.1.2) MAIN BUILDING: NON-SEPARATED MIXED OCCUPANCY OCCUPANCY: OCC. LOAD FACTOR: BUSINESS 100 GROSS (PER NFPA) STORAGE 300 GROSS WAREHOUSE 500 GROSS ASSEM. (UC) 15 NET	FIRE PROTECTION SYSTEM REQUIREMENTS (IBC CHAPTER 9) <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>REQUIRED</th> </tr> </thead> <tbody> <tr><td>903 AUTOMATIC SPRINKLERS</td><td>YES</td></tr> <tr><td>904 FIRE EXTINGUISHER SYSTEM</td><td>NO</td></tr> <tr><td>905 STANDPIPE SYSTEM</td><td>NO</td></tr> <tr><td>906 PORTABLE FIRE EXTINGUISHERS</td><td>YES</td></tr> <tr><td>907 FIRE ALARM SYSTEMS</td><td>YES</td></tr> <tr><td>908 EMERGENCY ALARM SYSTEM</td><td>NO</td></tr> <tr><td>909 SMOKE CONTROL SYSTEM</td><td>NO</td></tr> <tr><td>910 SMOKE & HEAT REMOVAL</td><td>NO</td></tr> <tr><td>911 FIRE COMMAND CENTER</td><td>NO</td></tr> <tr><td>912 FIRE DEPARTMENT CONNECTION</td><td>YES</td></tr> <tr><td>913 FIRE PUMP</td><td>NO</td></tr> <tr><td>914 FIRST RESPONDER SAFETY</td><td>YES</td></tr> <tr><td>915 CARBON MONOXIDE</td><td>NO</td></tr> </tbody> </table>	ELEMENT	REQUIRED	903 AUTOMATIC SPRINKLERS	YES	904 FIRE EXTINGUISHER SYSTEM	NO	905 STANDPIPE SYSTEM	NO	906 PORTABLE FIRE EXTINGUISHERS	YES	907 FIRE ALARM SYSTEMS	YES	908 EMERGENCY ALARM SYSTEM	NO	909 SMOKE CONTROL SYSTEM	NO	910 SMOKE & HEAT REMOVAL	NO	911 FIRE COMMAND CENTER	NO	912 FIRE DEPARTMENT CONNECTION	YES	913 FIRE PUMP	NO	914 FIRST RESPONDER SAFETY	YES	915 CARBON MONOXIDE	NO
ELEMENT	REQUIRED																												
903 AUTOMATIC SPRINKLERS	YES																												
904 FIRE EXTINGUISHER SYSTEM	NO																												
905 STANDPIPE SYSTEM	NO																												
906 PORTABLE FIRE EXTINGUISHERS	YES																												
907 FIRE ALARM SYSTEMS	YES																												
908 EMERGENCY ALARM SYSTEM	NO																												
909 SMOKE CONTROL SYSTEM	NO																												
910 SMOKE & HEAT REMOVAL	NO																												
911 FIRE COMMAND CENTER	NO																												
912 FIRE DEPARTMENT CONNECTION	YES																												
913 FIRE PUMP	NO																												
914 FIRST RESPONDER SAFETY	YES																												
915 CARBON MONOXIDE	NO																												
ALLOWABLE HEIGHT & AREA MAIN BUILDING: MAXIMUM HEIGHT (IBC TABLE 504.3): 75'-0" MAXIMUM STORIES (IBC TABLE 504.4) 4-STORIES MAXIMUM AREA (IBC TABLE 506.2): 92,000 SF PROPOSED HEIGHT: 24'-0" / 1-STORY PROPOSED AREA: 21,200 SF REQUIRED SEPARATION (IBC 508) B / S-2 = NONE REQUIRED. 1-HR PROVIDED BETWEEN THE SALLEYPORT (S-2) AND BUSINESS AREAS.																													
INCIDENTAL USES (IBC 509.4.2) LAUNDRY > 100SF = SMOKE w/ AUTOMATIC SPRINKLER																													

DISTANCE REQUIREMENTS

CLASSIFICATION	IBC		NFPA		PROPOSED
	REFERENCE	ALLOWABLE	REFERENCE	ALLOWABLE	
COMMON PATH	TABLE 1006.2.1	100'-0"	38.2.5.3.1	100'-0"	69'-9"
- SINGLE EXIT ACCESS	TABLE 1006.3.3(2)	75'-0"			
TRAVEL DISTANCE FOR B	TABLE 1017.2	300'-0"	38.2.6.3	300'-0"	124'-1"
TRAVEL DISTANCE FOR S-1	TABLE 1017.2	250'-0"	TABLE 402.2.6	400'-0"	52'-0"
DEAD END CORRIDORS	1020.4 (EXCEPT.2)	50'-0"	38.2.5.2.1	50'-0"	22'-10"
CORRIDOR WIDTH	TABLE 1020.2	44"	38.2.3.2	44"	64" TYP
EXIT SEPARATION DISTANCE	1007.1-1(2)	1/3 OF DIAG.	7.5.1.3.3	1/3 OF DIAG.	REFER TO CODE PLAN

SINGLE MEANS OF EXIT ACCESS

NFPA 38.2.4.2:
SINGLE EXIT ACCESS PATH SHALL BE PERMITTED WHEN COMMON PATH DISTANCE DOES NOT EXCEED NFPA 38.2.5.3.1.

IBC 1006.3.3:
SINGLE EXIT ACCESS PATH SHALL BE PERMITTED WHEN COMMON PATH DISTANCE DOES NOT EXCEED TABLE 1006.3.3(2) AND THE OCCUPANT LOAD DOES NOT EXCEED 49.

REQUIRED NUMBER OF PLUMBING FIXTURES BASED ON ACTUAL OCCUPANCY OF THE BUILDING PER IPC 403.1.

ACTUAL OCCUPANCY COUNTS

- SALLEYPORT (STORAGE) = 2 OCCUPANTS MAX
- BUSINESS AREAS (BUSINESS) = 38 TOTAL FROM BREAKDOWN BELOW
 - 17 STAFF = 14 SHELTER STAFF MEMBERS + 3 SURGERY STAFF
 - 21 VISITORS = 14 VISITORS FOR EXISTING SHELTER * 1.43 RATIO BASED ON NEW SHELTER INCREASE (EXISTING SHELTER HOUSES 3,500 ANIMALS. NEW SHELTER TO INCREASE BY 1,500 ANIMALS)
- EDUCATION CENTER (ASSEM) = 40 PERSONS MAX

AREA	OCC. #	IPC OCC. #	W.CL. M.	W.CL. F.	LAV. M.	LAV. F.	B/S	DF	OTHER
STORAGE	2	1 M / 1 F	1/100 = 1	1/100 = 1	1/100 = 1	1/100 = 1	-	1/1000 = 1	1 SS
BUSINESS	38	19 M / 19 F	1/25 = 1	1/25 = 1	1/40 = 1	1/40 = 1	-	1/100 = 1	1 SS
ASSEMB.	40	20 M / 20 F	1/125 = 1	1/65 = 1	1/200 = 1	1/200 = 1	-	1/500 = 1	1 SS
		REQUIRED	3	3	3	3	0	1	1 SS
		PROVIDED	3	3	3	3	1	2	2 SS

FIRE SEPARATION DISTANCE - IBC TABLE 602

NO FIRE-RESISTANCE RATING IS REQUIRED AT THE EXTERIOR WALLS BECAUSE THE MAIN BUILDING & BARN ARE MORE THAN 10'-0" SEPARATED AND ARE TYPE IIB AND VB, AND ARE USE B AND U.

HAZARD GROUP - IBC 307.5

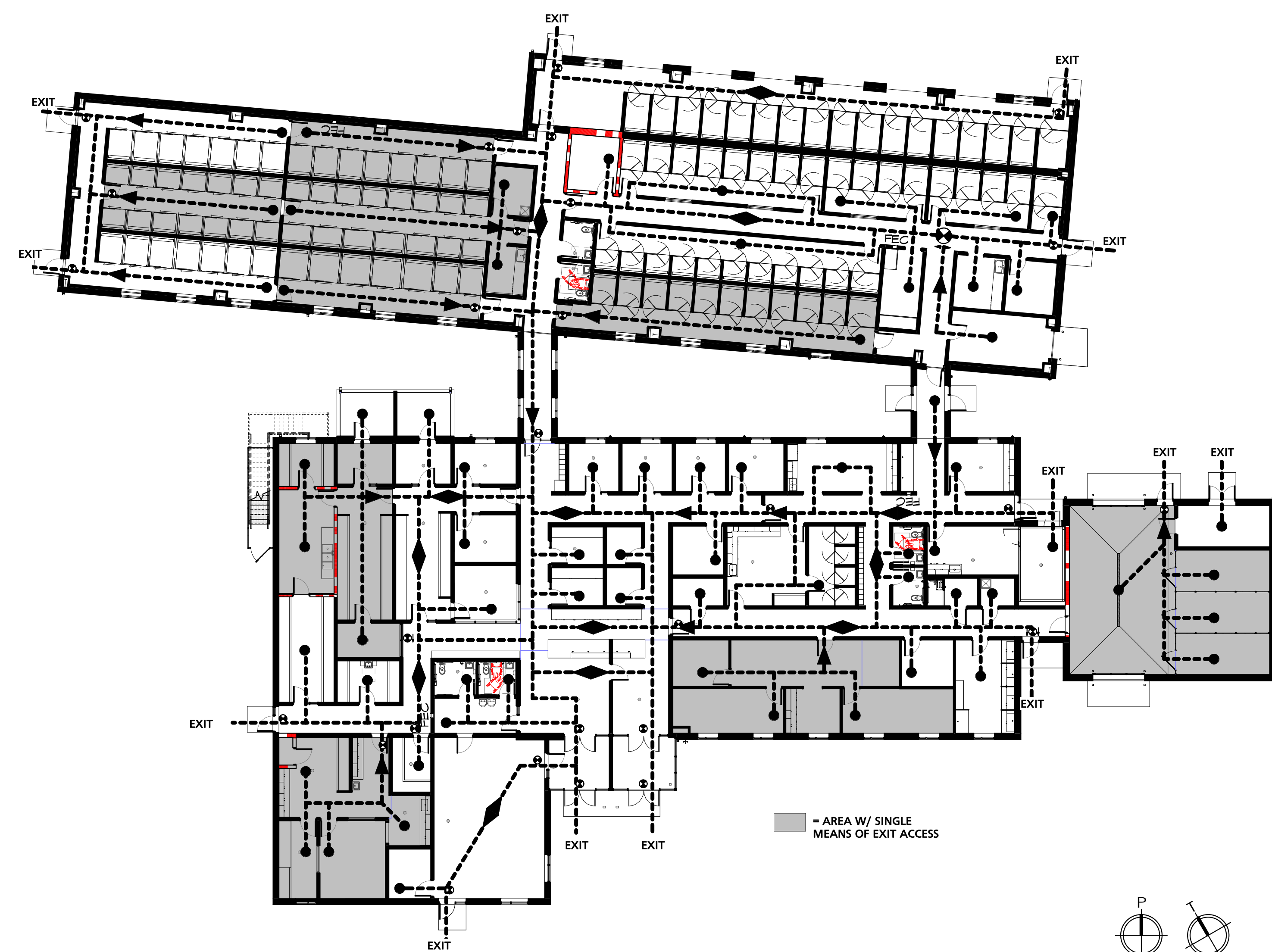
THE OXYGEN WITHIN THE PROCEDURE ROOM SHALL BE CLASSIFIED AS OXIDIZING GASES.

MAX. ALLOWABLE HAZARDOUS MATERIAL QUANTITY - IBC TABLE 307.1(1)

THE GAS MAY BE STORED AT VOLUMES UP TO 3,000 SF IN A SPRINKLERED BUILDING BEFORE BEING TREATED AS AN H-3 OCCUPANCY. THE COUNTY WILL STORE TWO (2) "H" SIZE CYLINDERS OF OXYGEN (±250 SF VOLUME) WITHIN A 1-HR RATED ROOM WHICH IS NOT REQUIRED BY CODE.

BUILDINGS ON SAME LOT - IBC 705.5

THE BARN AND THE MAIN BUILDING SHALL MAINTAIN A FIRE SEPARATION DISTANCE GREATER THAN 10'-0" AND ALL FIRE RATINGS SHALL BE PER BUILDING AND NOT ASSOCIATED WITH A FIRE FROM THE OUTSIDE.



1 CODE DIAGRAM
1/16" = 1'-0"

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 05-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS	03-02-20
2	PERMIT COMMENT	05-05-20

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
CODE ANALYSIS

SHEET NUMBER:
G001

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 05-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS	03-02-20
2	PERMIT COMMENT	05-05-20
3	PERMIT COMMENTS	05-29-20

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
CODE PLAN

SHEET NUMBER:
G002

5/29/2020 2:53:43 PM



GENERAL CODE PLAN NOTES

#	NOTES
1	FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED AS REQUIRED BY IBC 703.7

TRAVEL DISTANCES & COMMON PATHS

PATH ID	LENGTH
COMMON PATH	
CP1	45'-0"
CP2	44'-6"
CP3	51'-6"
CP4	39'-10 1/4"
CP5	34'-6"
CP6	34'-6"
CP7	34'-6"
CP8	47'-0"
CP9	47'-9"
CP10	48'-0"
MAX	100'-0"
TRAVEL DISTANCE	
MAX	300'-0"
TD1	124'-9 9/16"
TD2	52'-0"

OCCUPANCY - BUSINESS

NAME	AREA	FACTOR	OCCUPANT LOAD
ADMIN & SUPPORT SPACES	3917 SF	100 SF	40
CAT HOLDING AREAS	1936 SF	100 SF	20
DOG WING, EAST A	2559 SF	100 SF	19
DOG WING, EAST B	3017 SF	100 SF	31
DOG WING, EAST C	1529 SF	100 SF	16
DOG WING, WEST A	1591 SF	100 SF	16
DOG WING, WEST B	2211 SF	100 SF	23
LOBBY AREAS	3342 SF	100 SF	34
SPAY/NEUT. CLINIC	1004 SF	100 SF	11

OCCUPANCY - STORAGE

NAME	AREA	FACTOR	OCCUPANT LOAD
SALLYPORT & STORAGE	1427 SF	300 SF	5

OCCUPANCY - ASSEMBLY

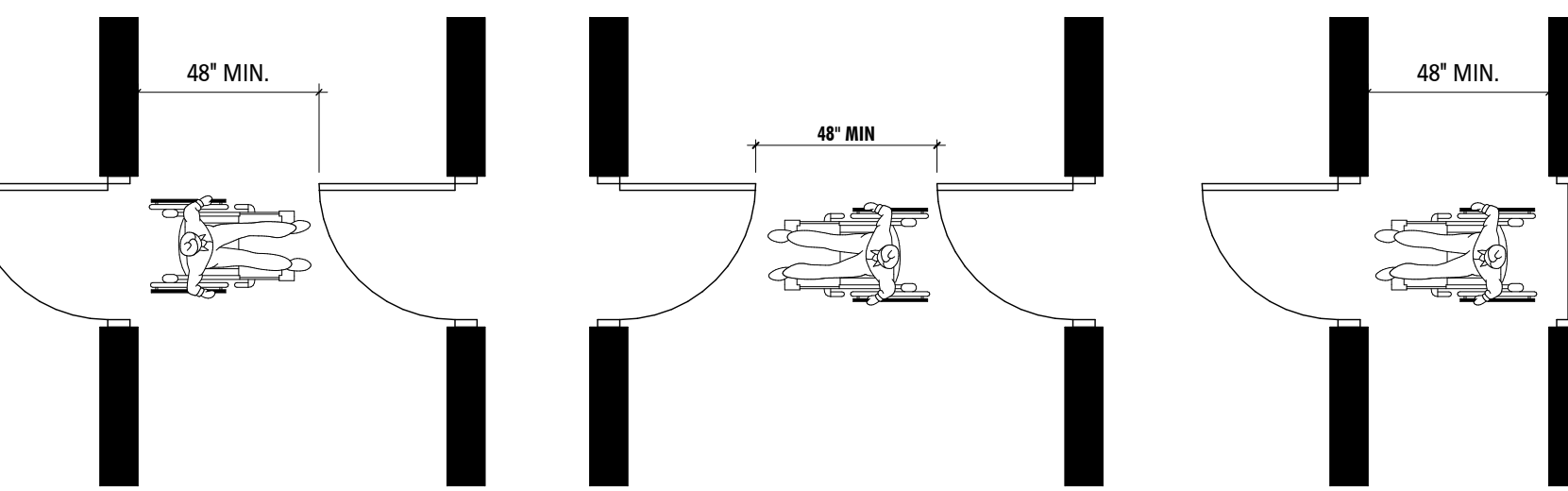
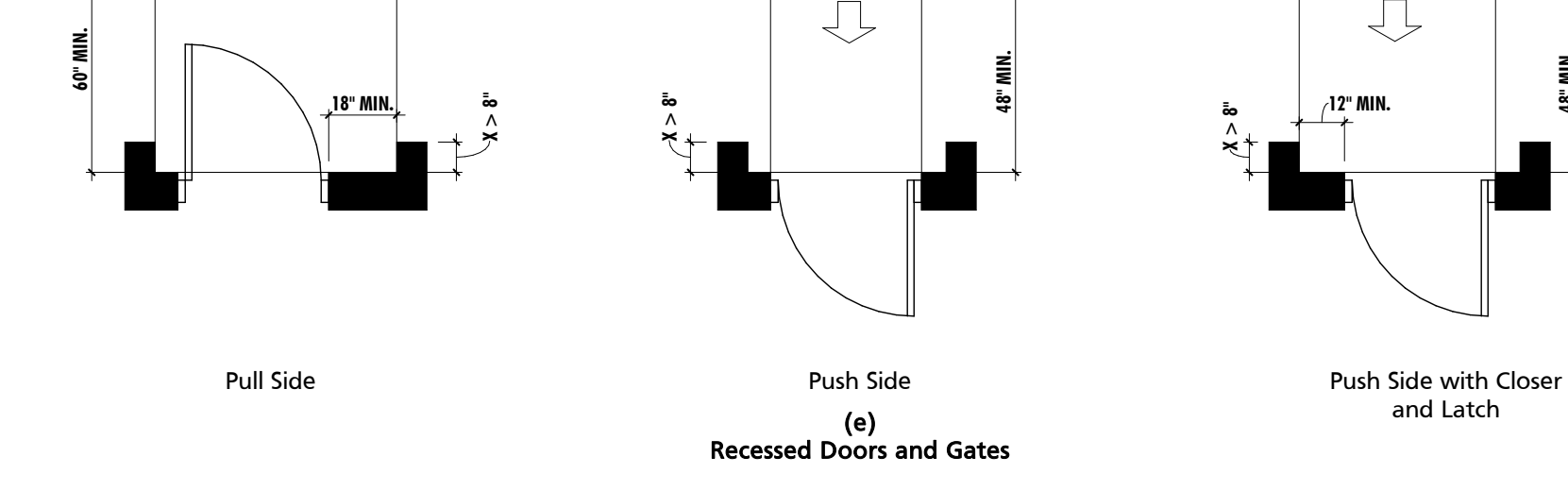
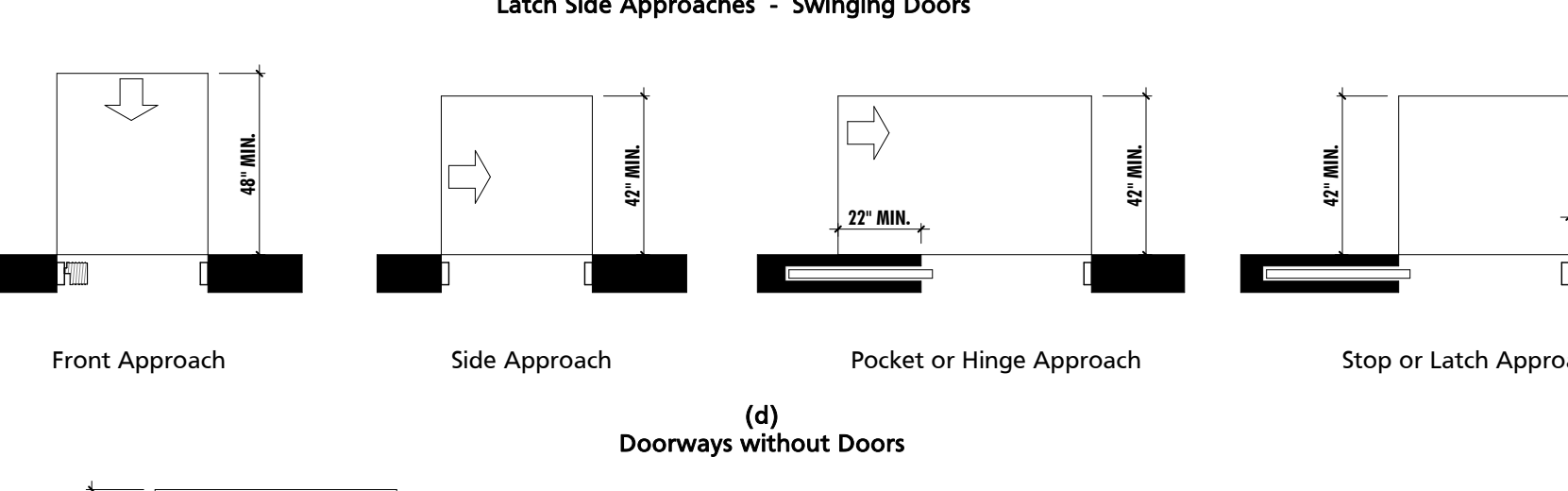
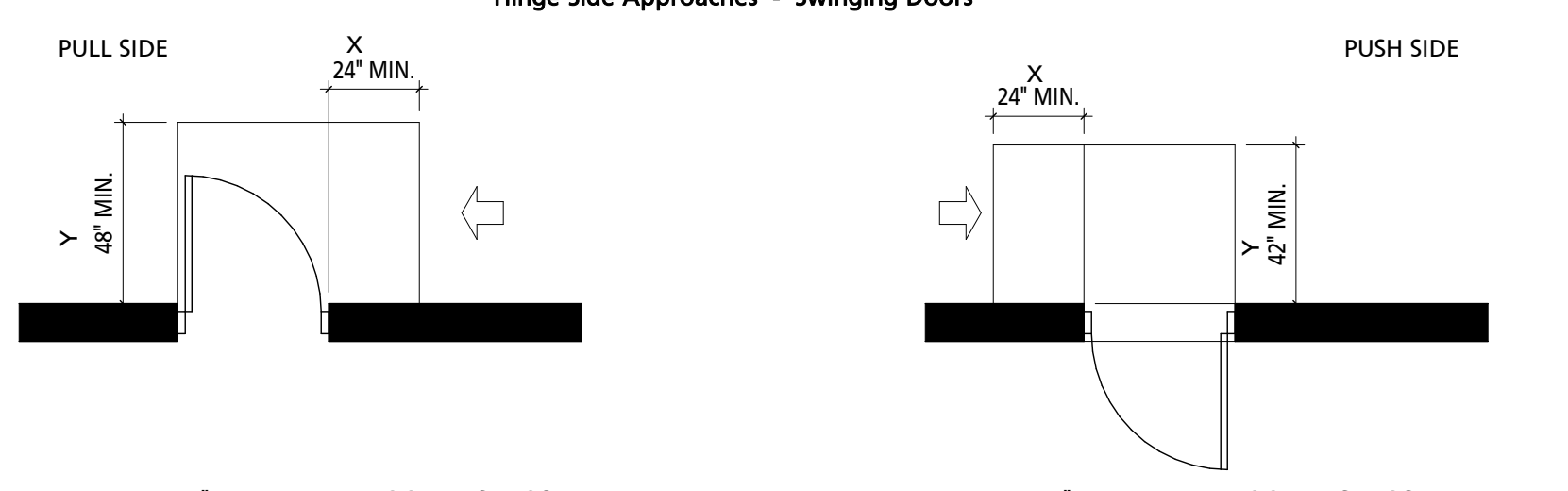
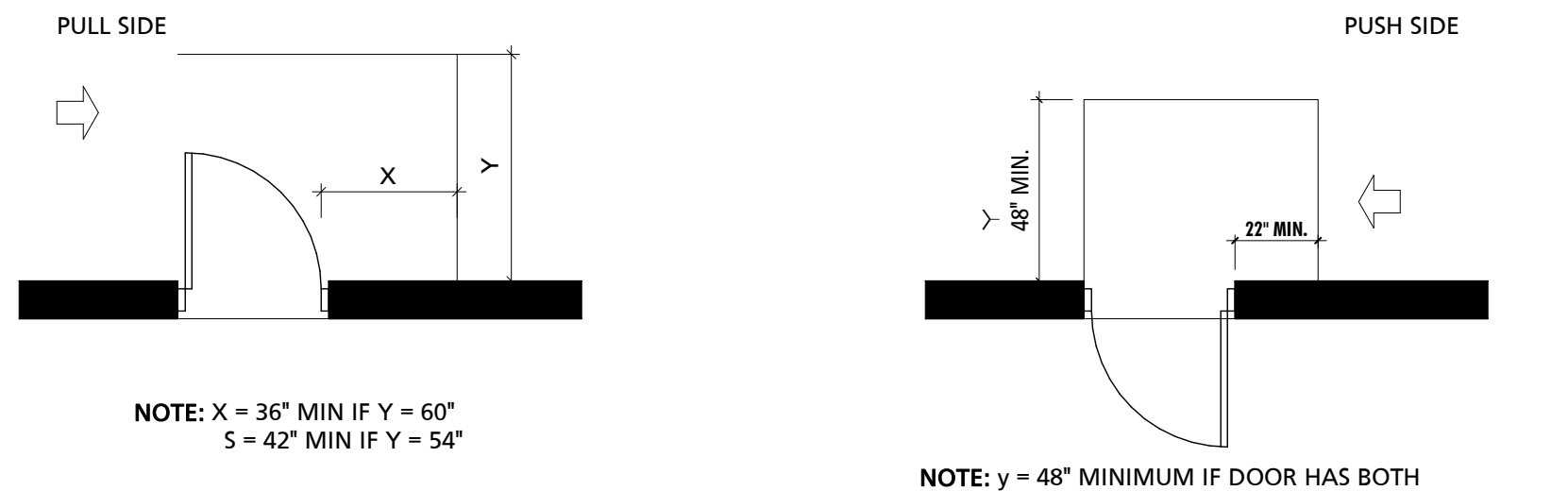
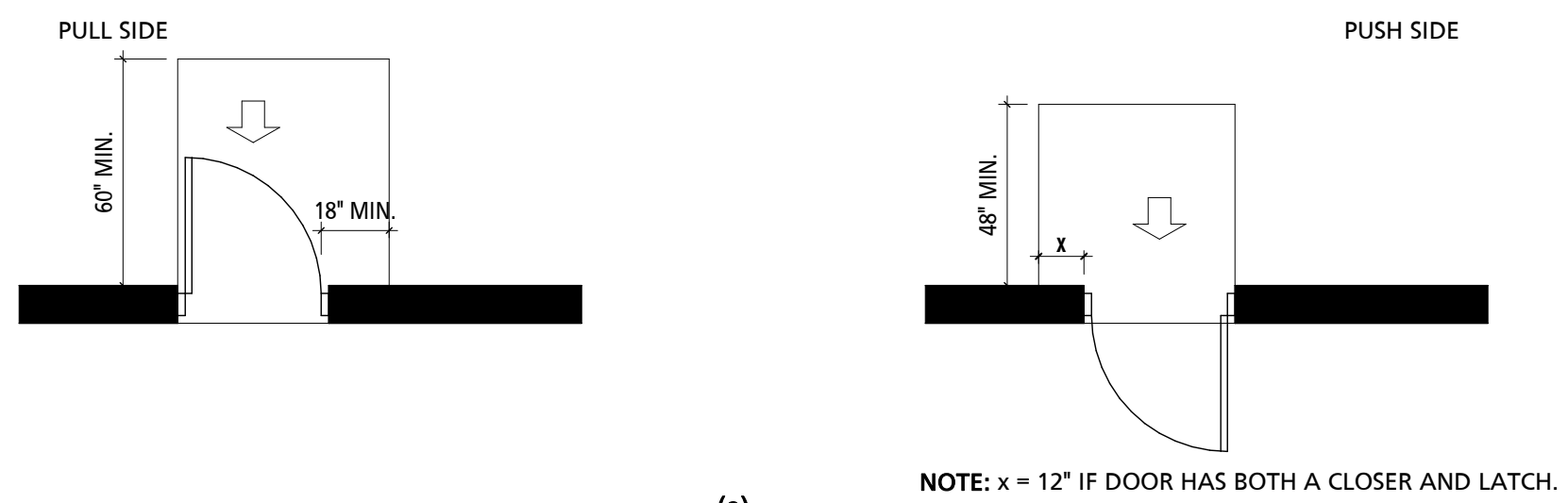
NAME	AREA	FACTOR	OCCUPANT LOAD
EDUCATION CENTER	668 SF	15 SF	45

TOTAL BUILDING OCCUPANCY = 248

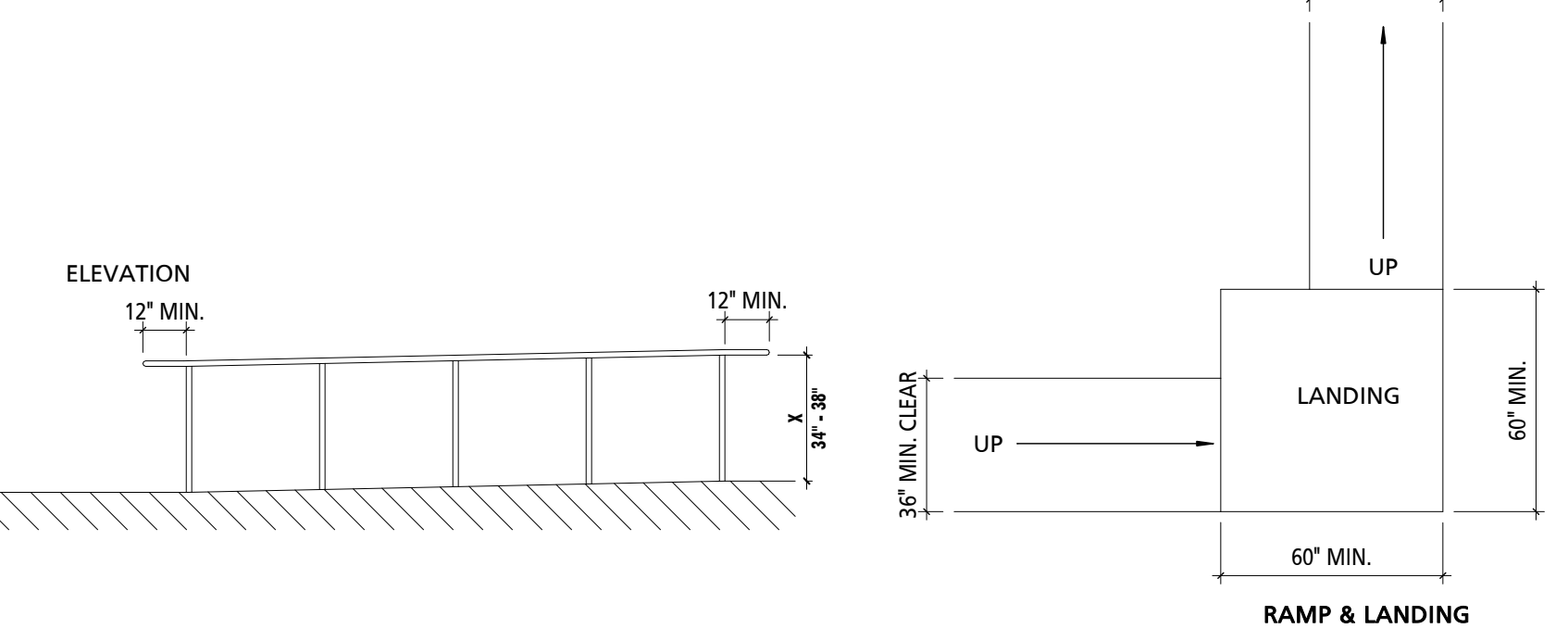
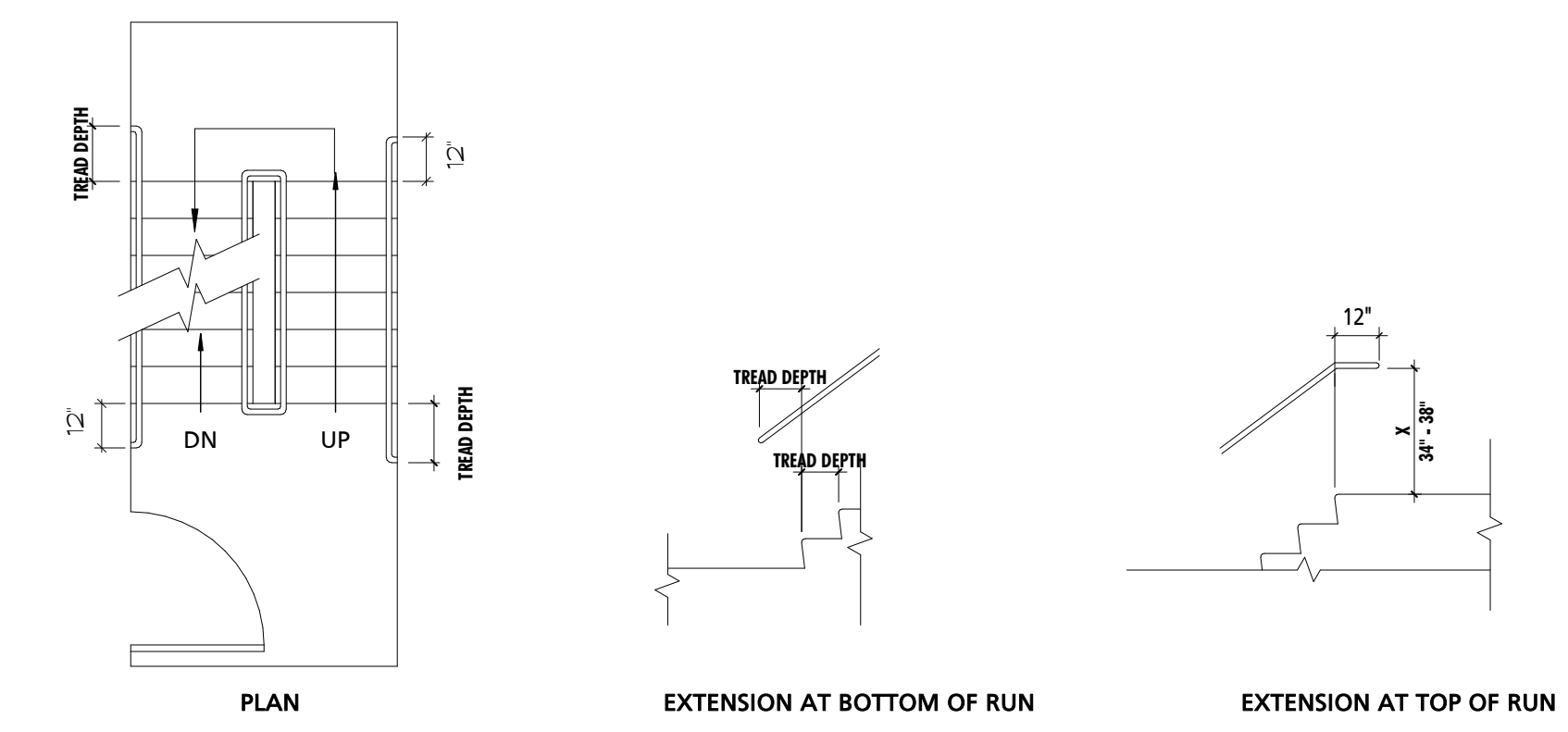
1 CODE PLAN
1/8" = 1'-0"

LEGEND - CODE PLAN LEGEND
NOT TO SCALE

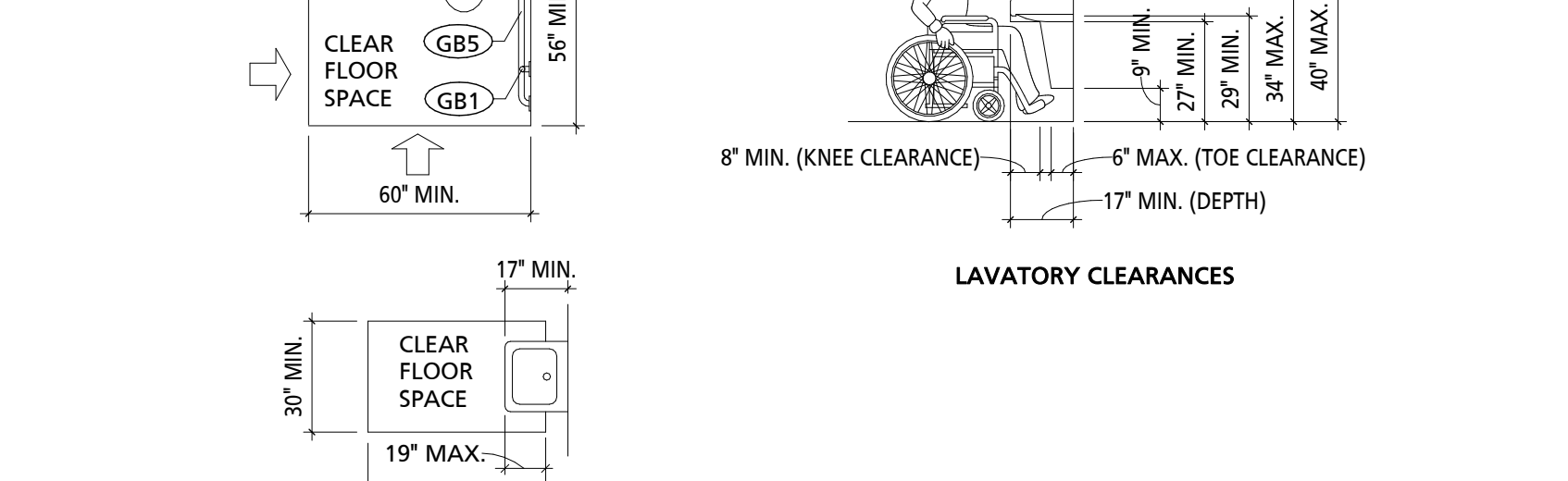
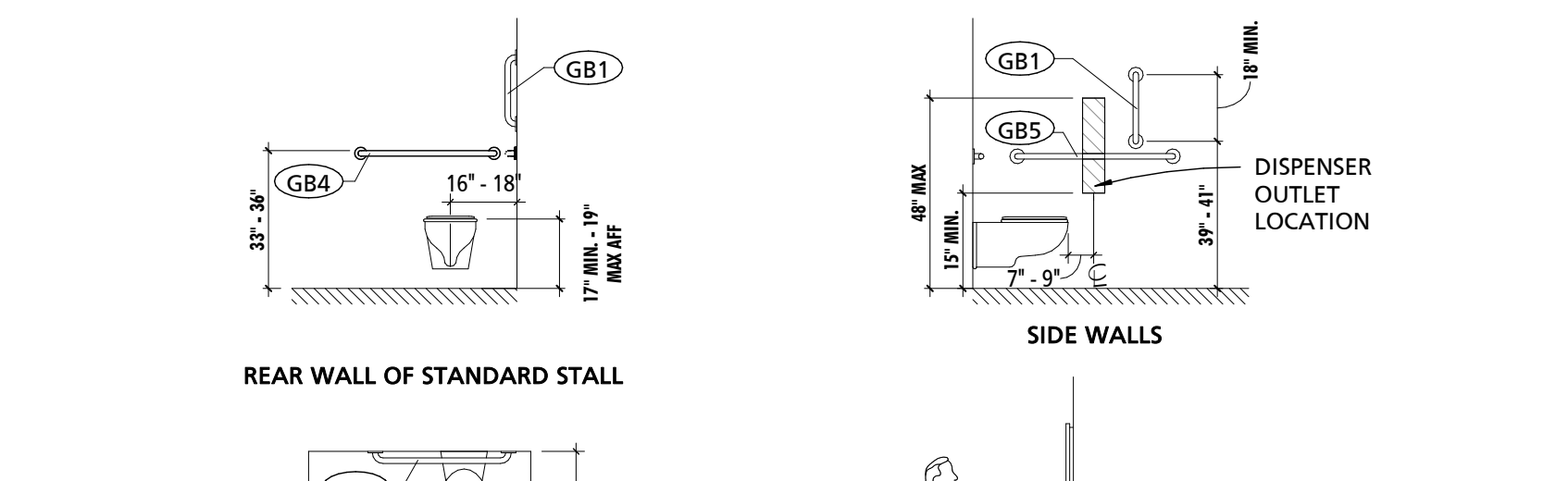
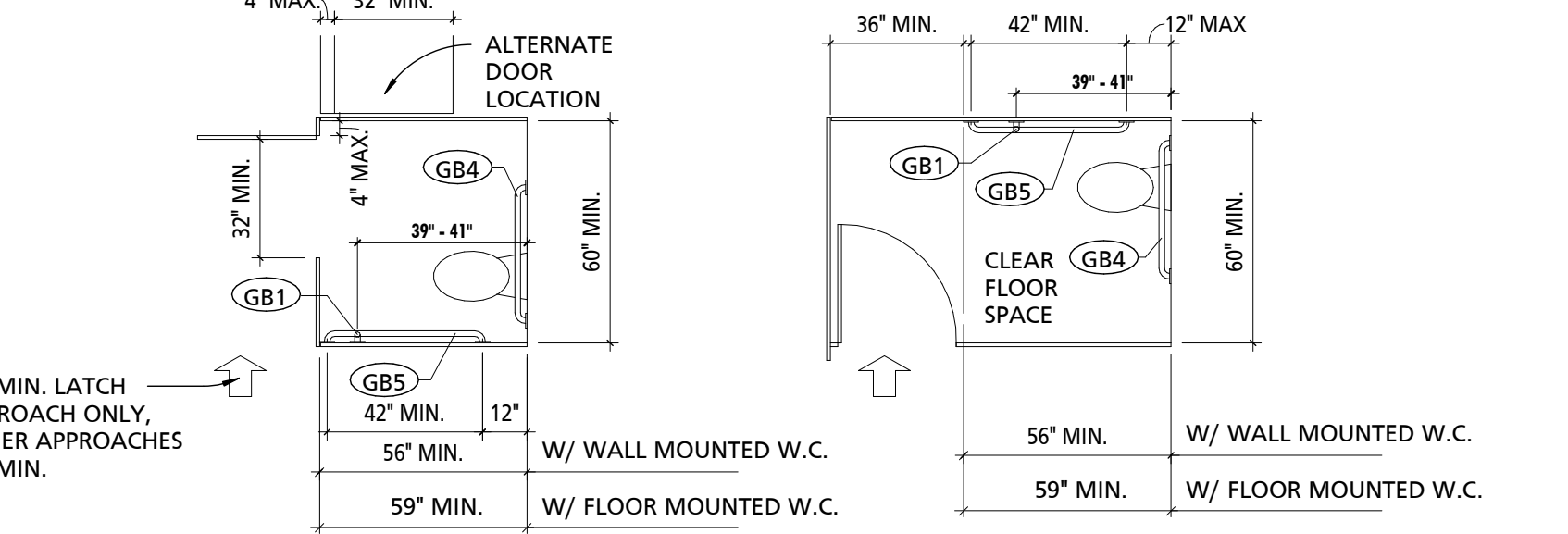
OL	OL = OCCUPANT LOAD
AW	AW = ACTUAL EGRESS WIDTH
RW	RW = REQUIRED EGRESS WIDTH
(Symbol)	ILLUMINATED "EXIT" SIGN
(Symbol)	ILLUMINATED "EXIT" SIGN W/ DIRECTION INDICATOR
(Symbol)	RATED WALL TAG
(Symbol)	SMOKE RATED PARTITION
(Symbol)	SMOKE RATED PARTITION
(Symbol)	TRAVEL DISTANCE
(Symbol)	SEPARATION DISTANCE



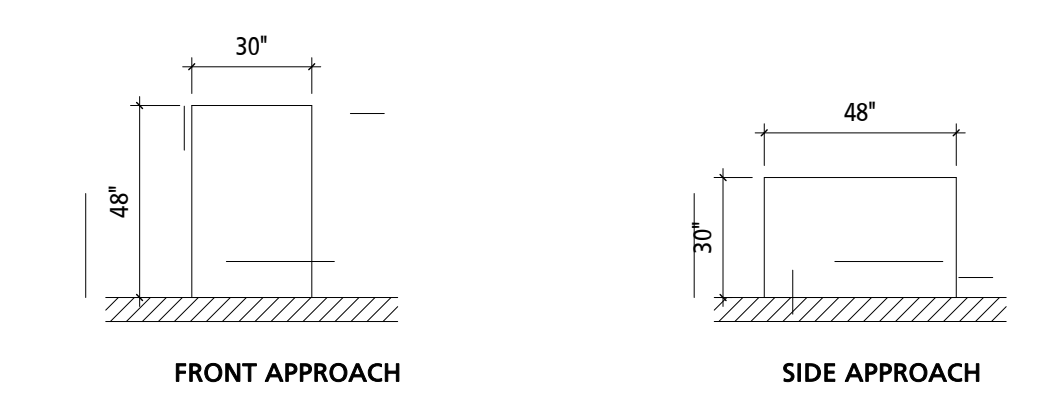
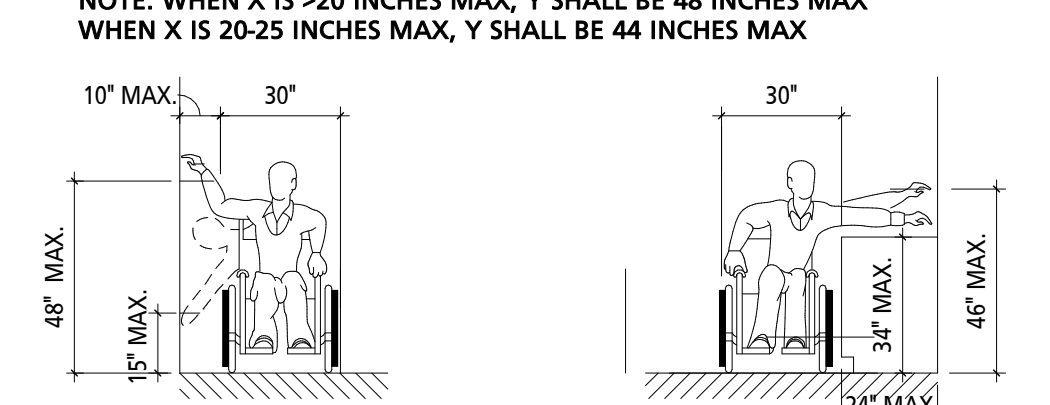
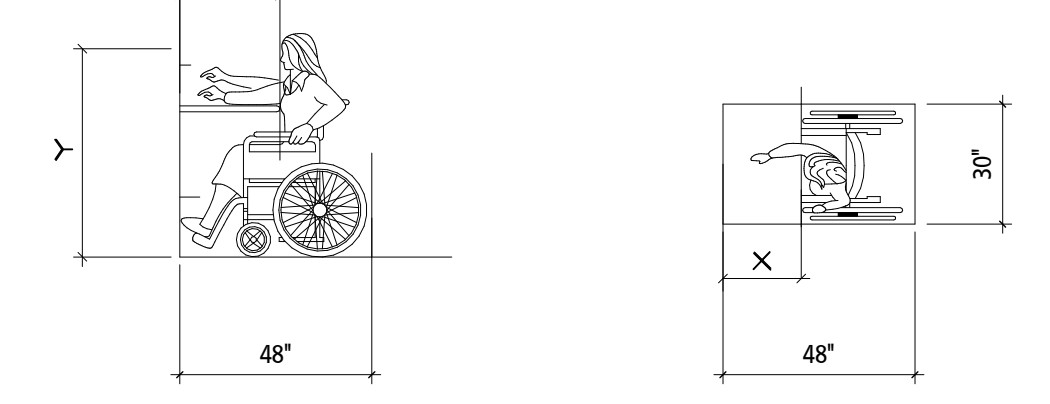
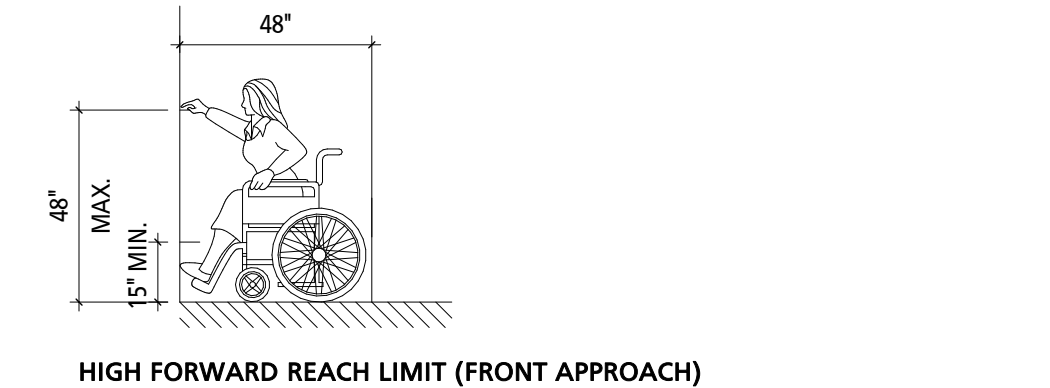
DOOR CLEARANCES (TYPICAL)
NOT TO SCALE



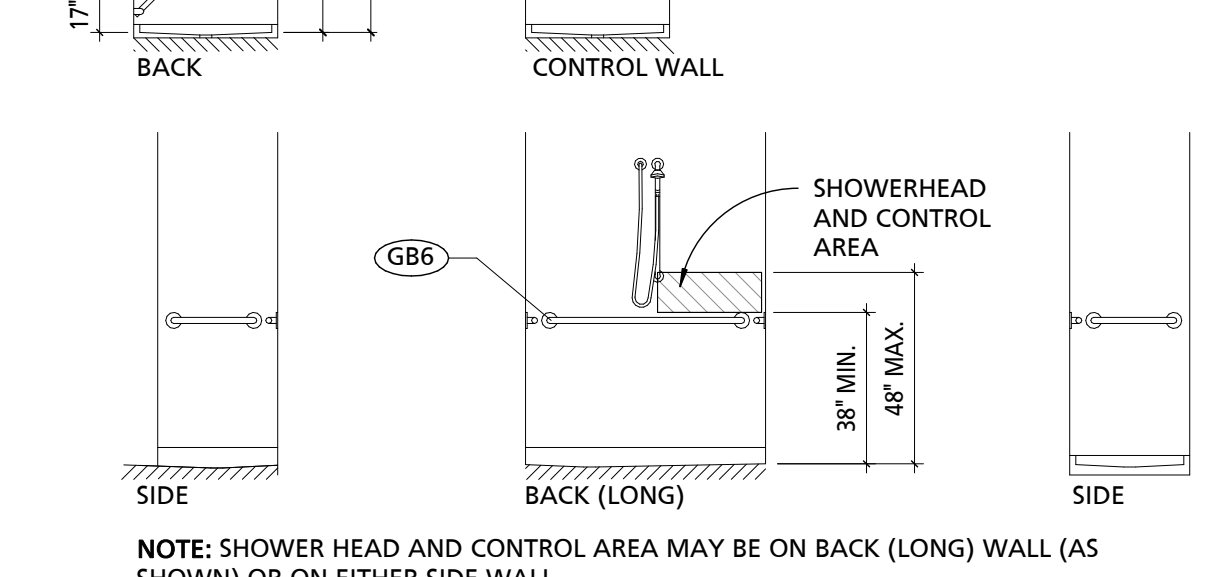
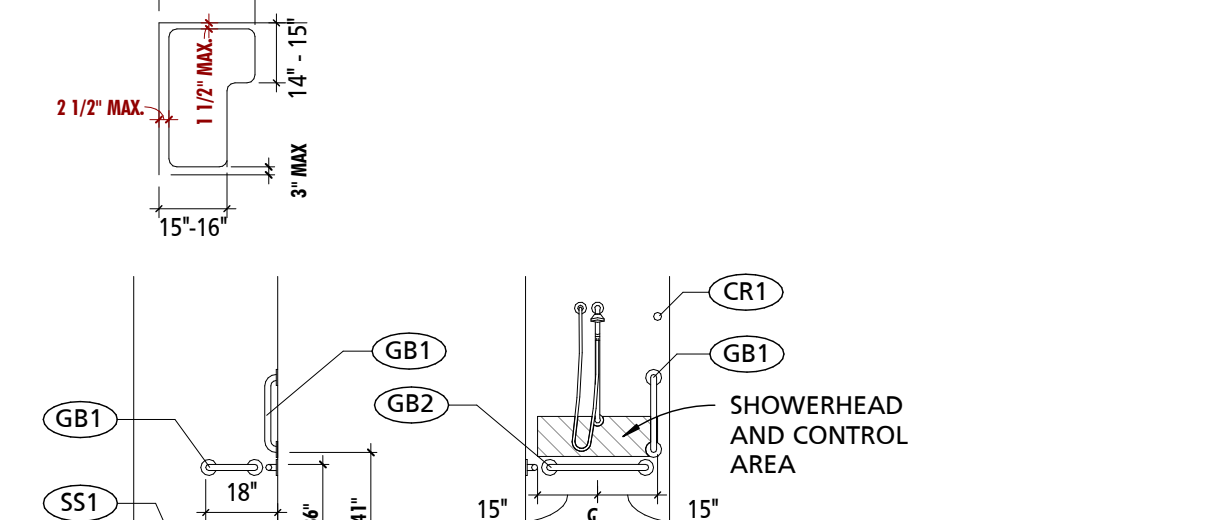
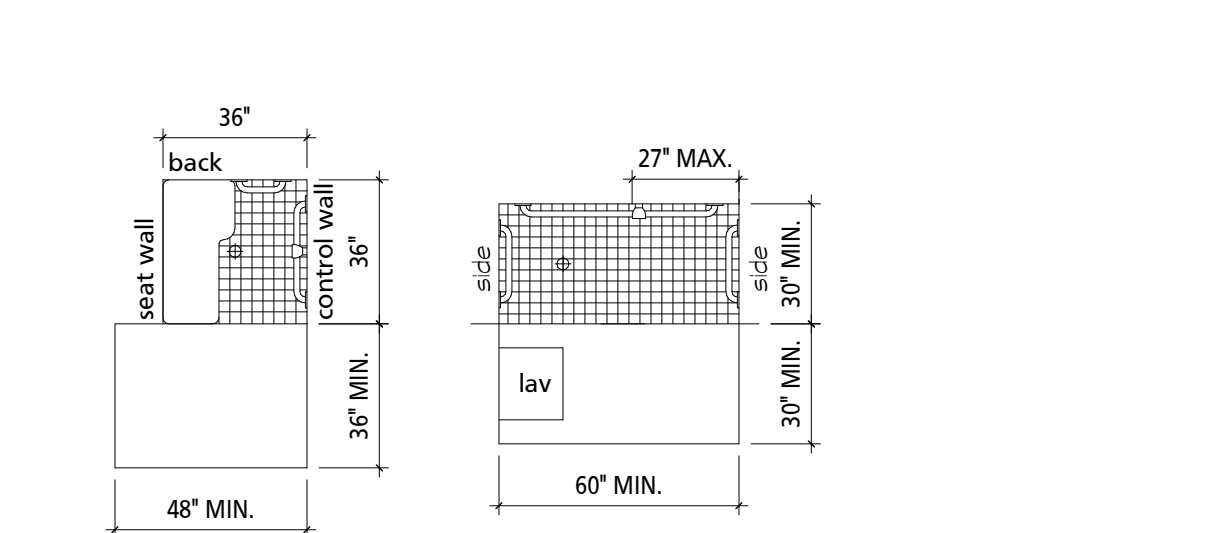
STAIR & RAMP CLEARANCES (TYPICAL)
NOT TO SCALE



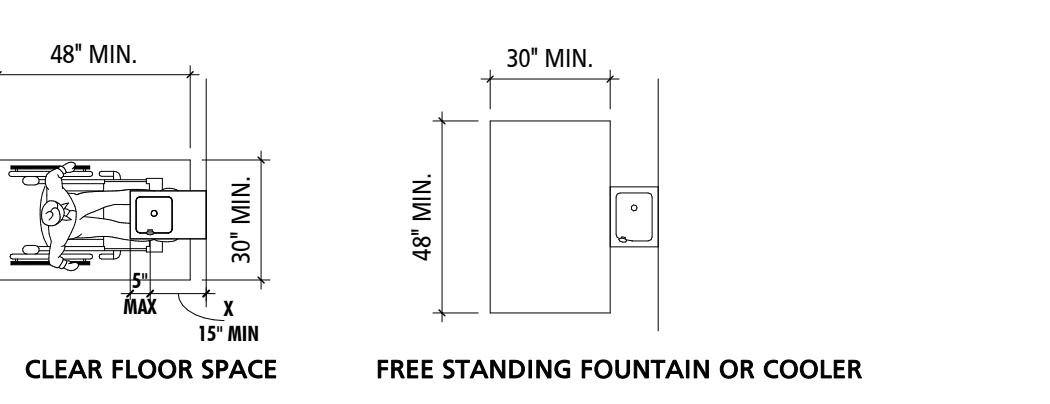
TOILET ROOM CLEARANCES (TYPICAL)
NOT TO SCALE



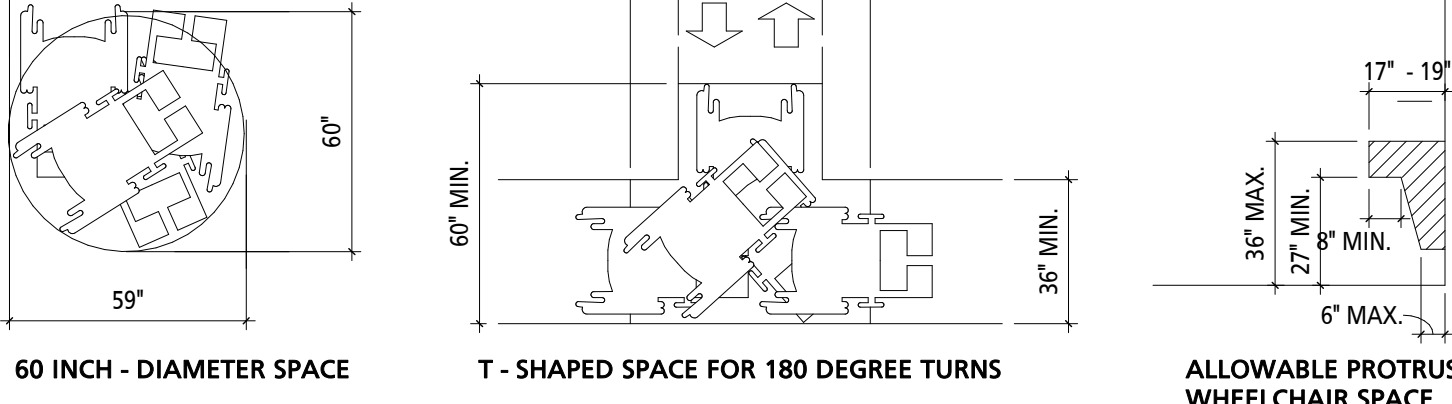
REACH RANGES & APPROACHES (TYPICAL)
NOT TO SCALE



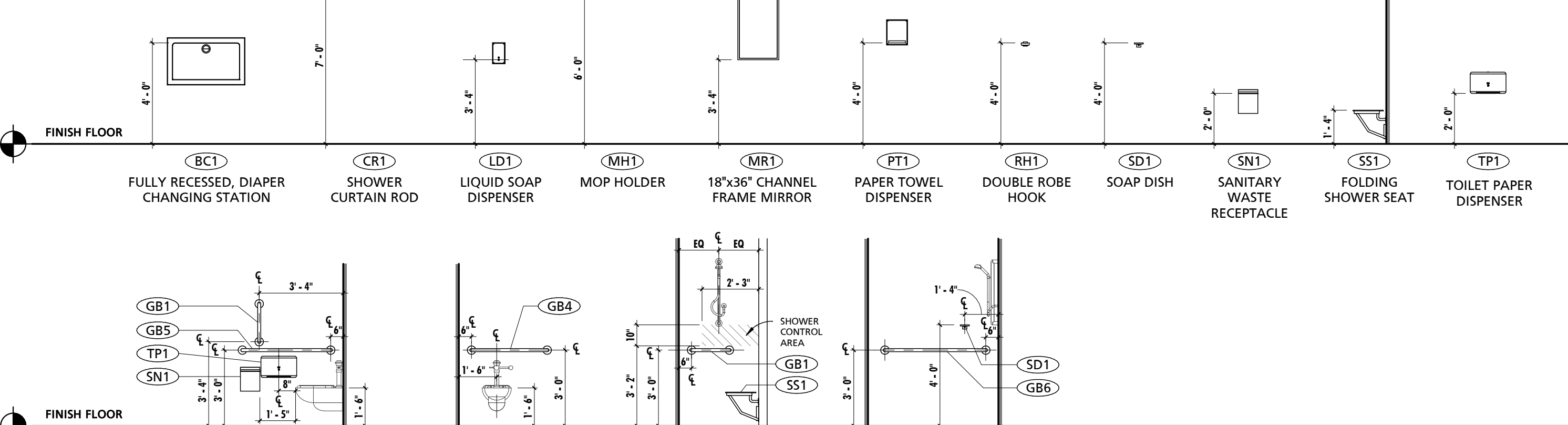
SHOWERS (TYPICAL)
NOT TO SCALE



DRINKING FOUNTAINS (TYPICAL)
NOT TO SCALE



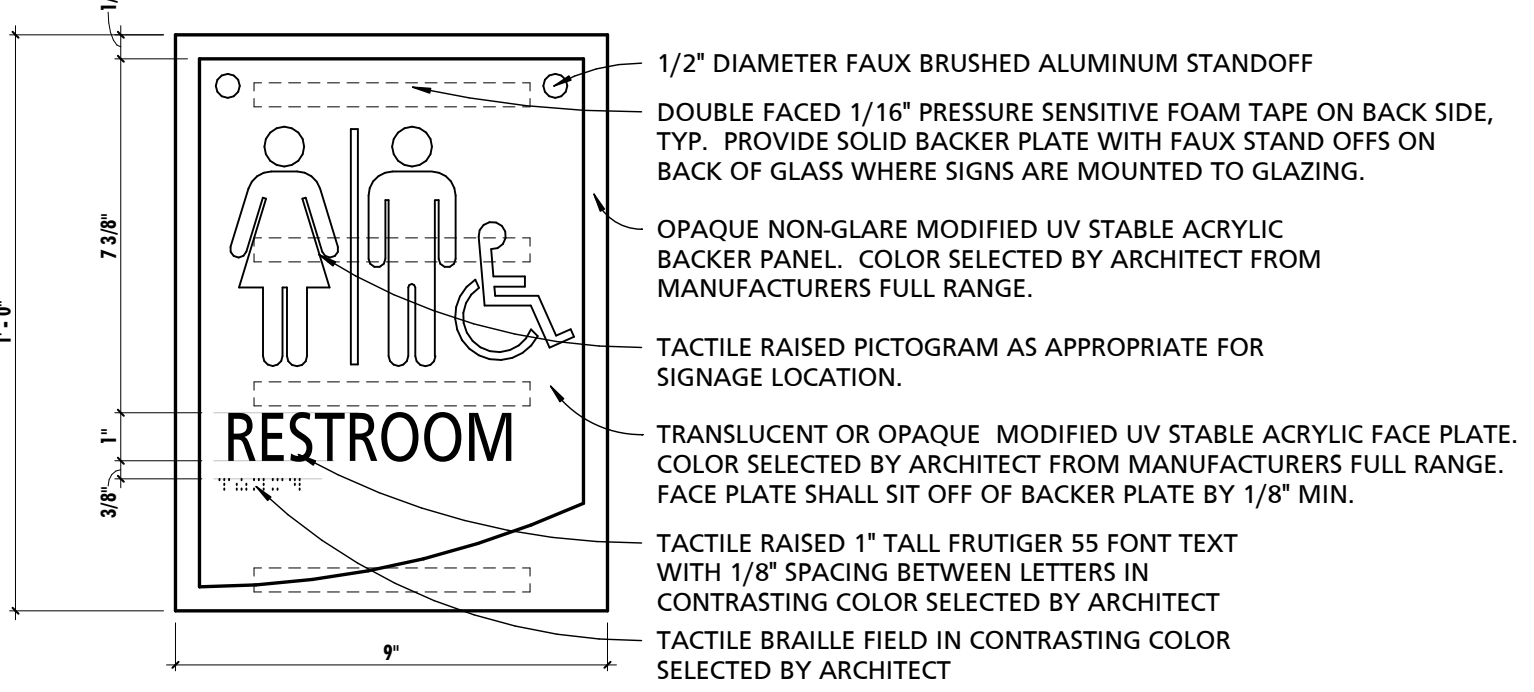
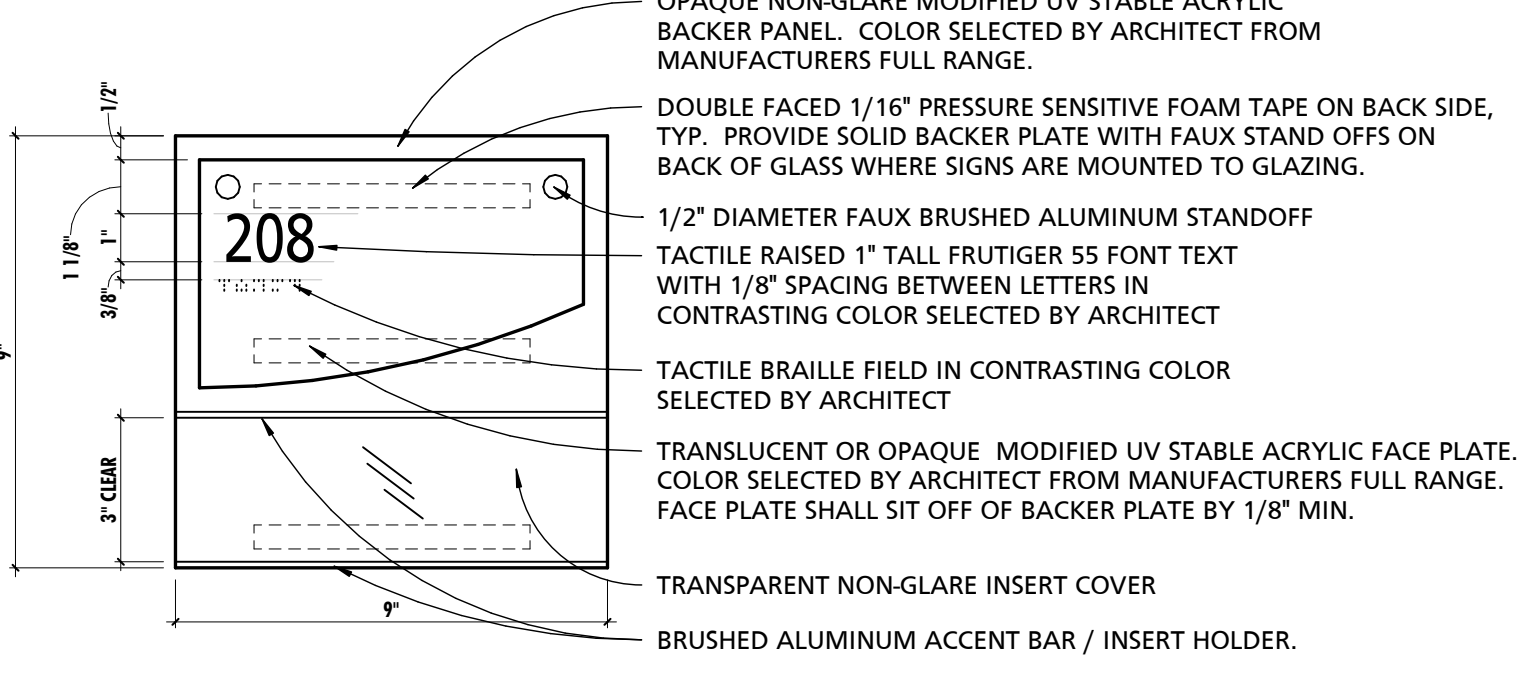
FLOOR CLEARANCES (TYPICAL)
NOT TO SCALE



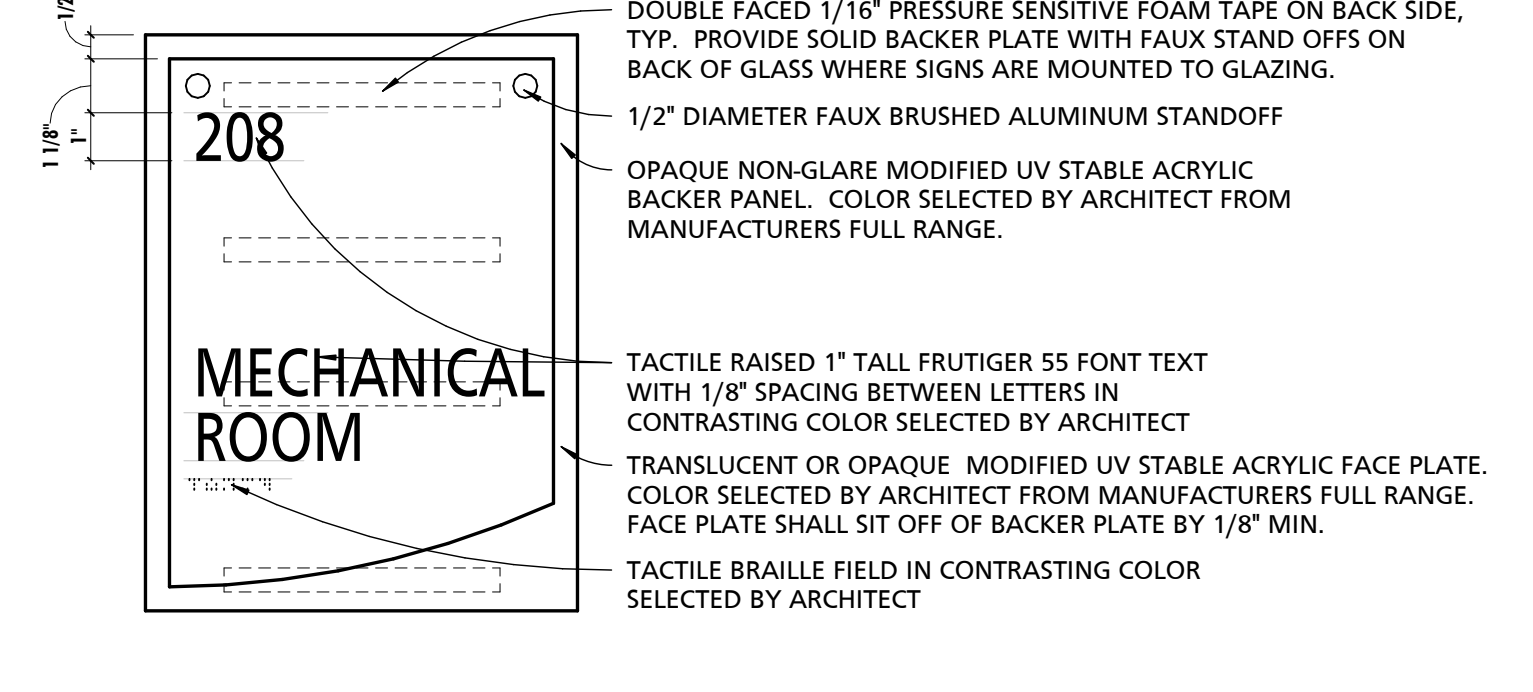
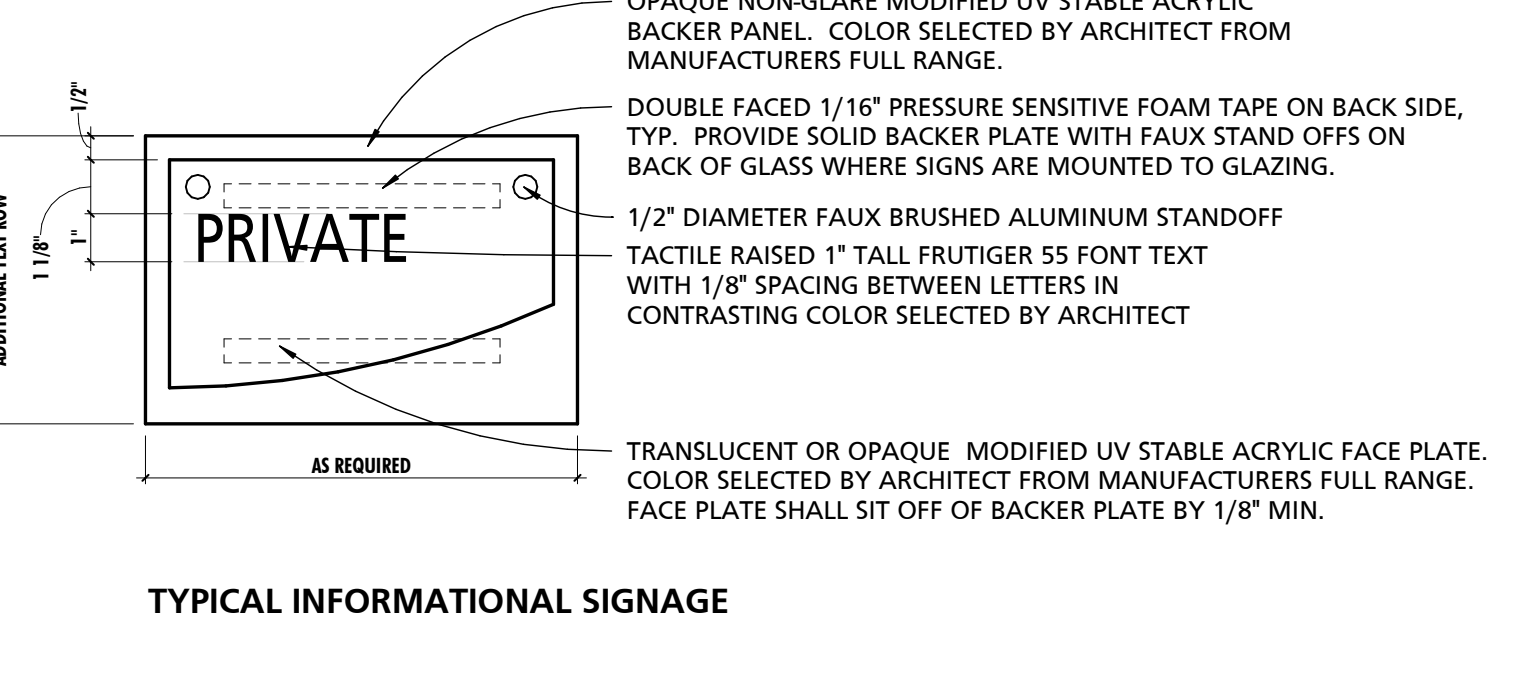
TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS & LOCATIONS
NOT TO SCALE

SCHEDULE - TOILET ROOM ACCESSORIES

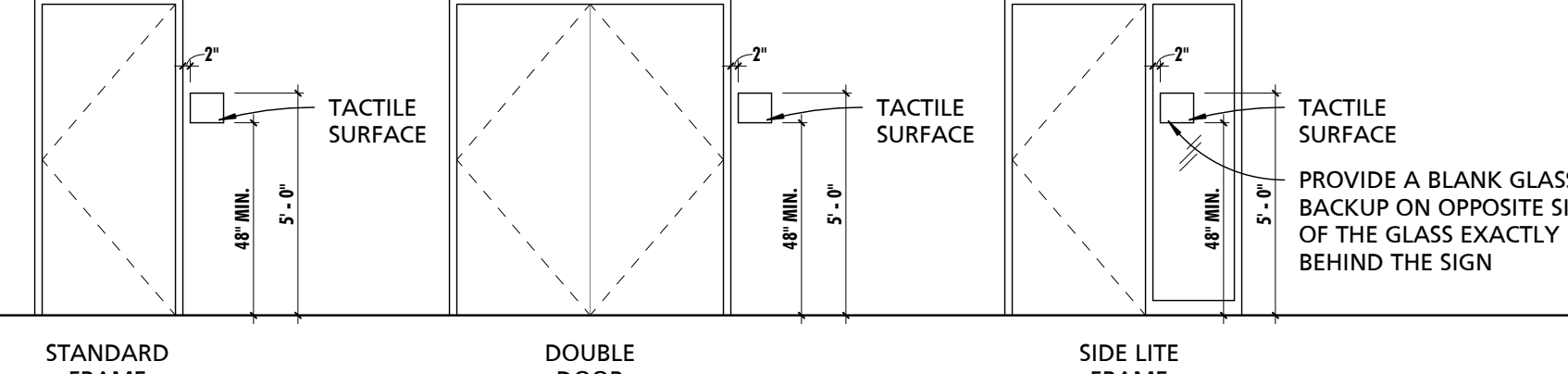
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
BC1	RECESSED DIAPER CHANGING STATION	KOALA	KB100-01ST GREY	
CR1	SHOWER CURTAIN ROD	BOBRICK	B-207	
GB1	18\"/>			
GB4	36\"/>			
GB5	42\"/>			
GB6	48\"/>			
LD1	SOAP DISPENSER	TORK	571608	
MH1	MOP HOLDER	BOBRICK	B-223	
MR1	18\"/>			
PT1	PAPER TOWEL DISPENSER	TORK	5511282	
RH1	DOUBLE ROBE HOOK	AMERICAN SPECIALTIES	7345	
SD1	SOAP DISH	AMERICAN SPECIALTIES	7320	
SN2	SANITARY WASTE RECEPTACLE	BOBRICK	B-270	
SS1	SHOWER SEAT	BOBRICK	B-5192	
TP1	TOILET PAPER DISPENSER	TORK	5555290	



TYPICAL RESTROOM SIGN
NOT TO SCALE



TYPICAL UTILITY ROOM / STAIRWAY SIGN
NOT TO SCALE



- PROVIDE SIGNAGE AT ALL OF THE FOLLOWING LOCATIONS:**
- ADA COMPLIANT IDENTIFICATION ROOM SIGNAGE WITH REMOVABLE INSERT AT ALL ROOMS OTHER THAN MECHANICAL ROOMS AND TOILET ROOMS. SIGNS SHALL INDICATE ROOM NUMBER AND PROVIDE REMOVABLE INSERT FOR ROOM NAMES.
 - ADA COMPLIANT IDENTIFICATION ROOM SIGNAGE AT MECHANICAL ROOMS AND TOILET ROOMS. SINGLE OCCUPANT TOILET ROOMS SHALL BE IDENTIFIED AS UNISEX. SINGLE OCCUPANT TOILET ROOMS WITH CHANGING STATIONS SHALL BE IDENTIFIED AS FAMILY RESTROOMS.
 - ADA COMPLIANT IDENTIFICATION EXIT SIGNAGE AT ALL DOORS LEADING TO RATED EXITS.
 - ADA COMPLIANT IDENTIFICATION FLOOR LEVEL SIGNAGE AT ALL FLOOR LANDINGS OF STAIRS AND RAMP.
 - ADA COMPLIANT INFORMATIONAL SIGNAGE AT ALL AED STATIONS AND FIRE EXTINGUISHERS.
 - ADA COMPLIANT INFORMATIONAL SIGNAGE INDICATING THE MAXIMUM OCCUPANCY OF ALL ASSEMBLY SPACES.
 - ADA COMPLIANT INFORMATIONAL SIGNAGE SHALL BE PROVIDED AT ALL ELEVATORS.

ADA SIGNAGE MOUNTING LOCATIONS
NOT TO SCALE

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 01-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019

DRAWING TITLE: TYPICAL ACCESSIBILITY GUIDELINES & ADA SIGNAGE DETAILS
SHEET NUMBER: G003

1/20/2019 9:34:52 AM

NOTE #	NOTE
1	THE FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE PROJECT.
2	THE CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND ALL SPECIFICATIONS AND DRAWINGS FOR THE PROJECT, INCLUDING THOSE THAT MAY PRIMARILY PERTAIN TO WORK THAT THE CONTRACTOR NORMALLY DOES NOT PERFORM WITH ITS OWN FORCES. THE CONTRACTOR SHALL USE ALL OF THE PROJECT DRAWINGS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT AND ITS WORK, TO DETERMINE THE TYPE OF CONSTRUCTION AND SYSTEMS, FOR COORDINATION, TO DETERMINE WHAT OTHER WORK MAY BE INVOLVED THROUGHOUT, TO ANTICIPATE AND NOTIFY OTHERS WHEN THEIR COORDINATED EFFORTS WILL BE REQUIRED, AND ALL OTHER RELEVANT MATTERS RELATED TO THE PROJECT AND ITS WORK.
3	IF THERE IS ANY INCONSISTENCY IN THE QUALITY OR QUANTITY OF THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS, THEN THE CONTRACTOR SHALL (1) IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF SUCH INCONSISTENCY AND (2) PROVIDE THE BETTER QUALITY OF OR GREATER QUANTITY OF WORK OR MATERIALS, UNLESS OTHERWISE ORDERED IN WRITING BY THE OWNER. COMPUTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS AND LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS. THE CONTRACT DOCUMENTS GENERALLY SET FORTH THE BASIS AND ANALYSIS OF DESIGN, AND THE CONTRACTOR SHALL OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO SATISFACTORILY PERFORM AND COMPLETE THE WORK.
4	THE ARCHITECTURAL DRAWINGS ARE A PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS AND WITHIN THE SPECIFICATIONS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND SUPPLIERS WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN SUBCONTRACTORS, SUPPLIERS, AND VENDORS BASED ON THE ENTIRE SET OF THESE DOCUMENTS. NO ADDITIONAL COMPENSATION WILL BE DUE TO A CONTRACTOR FOR ANY ISSUES AS A RESULT OF ANY USE OF AN INCOMPLETE SET OF CONSTRUCTION DOCUMENTS.
5	LINE OF GRADES AS SHOWN ON THE BUILDING ELEVATIONS AND SECTION ARE APPROXIMATE. THEY ARE AT THE BUILDING FACE OR THE SECTION END UNLESS NOTED OTHERWISE.
6	AT WALLS WITH SOUND ATTENUATION BLANKETS, CONTRACTOR SHALL SEAL DOOR FRAMES, GLAZED OPENING FRAMES, INTERSECTIONS, AND OTHER PENETRATIONS WITH ACOUSTICAL SEALANT.
7	VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT, OR BY OTHERS. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT TO BE INSTALLED PER THE APPLICABLE PROVISIONS OF THESE DOCUMENTS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8	CUTTING INTO NEW WORK OF OTHER TRADES SHALL BE DONE BY THE TRADE REQUIRING THE CUTTING. ALL CUTTING SHALL BE DONE IN A NEAT MANNER USING SAWS WHERE POSSIBLE. ALL PATCHING AND PAINTING REQUIRED AS A RESULT OF THIS CUTTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK BEING CUT AND PATCHED TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK. PROVIDE ADEQUATE PROTECTION OF OTHER WORK DURING CUTTING AND PATCHING TO PREVENT DAMAGE.
9	PROPERLY PREPARE ALL SURFACES FOR NEW FINISHES. PATCH WITH SEAMS WHICH ARE DURABLE AND AS INVISIBLE AS POSSIBLE. COMPLY WITH SPECIFIC TOLERANCES FOR THE TYPE OF WORK BEING DONE.
10	ALL PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED WITH PROPER APPROVED THROUGH PENETRATION FIRE STOP SYSTEM AS RECOGNIZED BY AND LISTED WITH NATIONALLY AND ACCEPTED TESTING LABORATORIES.
11	OBTAIN ARCHITECT'S SPECIFIC APPROVAL PRIOR TO DEVIATING FROM THE CONTRACT DOCUMENTS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE ITEMS SHOWN ON THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLY WITH STANDARD BUILDING AND CONSTRUCTION PRACTICES AND MANUFACTURER'S RECOMMENDATIONS FOR ALL ITEMS NOT SPECIFICALLY INDICATED AND DETAILED ON THE DRAWINGS. FOLLOW THE BEST TRADE PRACTICES AND ENGINEERING FOR THE ITEMS NOT SPECIFICALLY DETAILED AND INDICATED.
12	ALL PARTS OF THE WORK, INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC. MUST COMPLY WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, DISTRICT, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION.
13	THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE DURING CONSTRUCTION. THE CONTRACTOR SHALL INDICATE ON THESE DRAWINGS ALL APPROVED CHANGES TO THE WORK. THIS SET OF DRAWINGS SHALL BE TURNED OVER TO THE OWNER/CLIENT WHEN THE PROJECT IS COMPLETE.
14	THE BUILDING HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE DEMOLITION, ERECTION PROCEDURES, SEQUENCE, AND TO ENSURE THE STABILITY OF ITS COMPONENTS AND PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY GUTS, SHORING, SHEETING OR TEMPORARY BRACING AND THE DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIALS ARE NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY.
15	CONTRACTOR SHALL COORDINATE THE FRAMING LAYOUT INCLUDING PRE-ENGINEERED TRUSS WEB DESIGN WITH ELECTRICAL AND MECHANICAL WORK.
16	THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL GRADING, MECHANICAL, AND ELECTRICAL PERMITS, AND ALL OTHER RELATED PERMITS REQUIRED TO COMPLETE THE WORK. ALL PLUMBING, ELECTRICAL & MECHANICAL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED BUILDING CODE AND SHALL BE SUBJECT TO FIELD INSPECTION BY THE AGENCIES HAVING JURISDICTION.
17	MANNS WOODWARD STUDIOS, INC. HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR CONTAINING INFORMATION RELATED TO CONSTRUCTION METHODS, OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED. IT SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY MANNS WOODWARD STUDIOS, INC. OR ANY RESPONSIBILITY FOR SAFETY PROCEDURES. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING CONSTRUCTION. MANNS WOODWARD STUDIOS, INC. DOES NOT ENGAGE IN, AND DOES NOT SUPERVISE THE CONSTRUCTION PROCESS.
18	THESE DRAWINGS ARE THE PROPERTY OF MANNS WOODWARD STUDIOS, INC. AND MAY NOT BE MODIFIED OR REPRODUCED WITHOUT WRITTEN PERMISSION. REPRODUCTIONS OF THE DRAWINGS MUST BEAR THE NAME OF THE ARCHITECT AND PROJECT LOCATION. THESE DRAWINGS ARE FULLY PROTECTED BY FEDERAL AND STATE COPYRIGHT LAWS. ANY INFRINGEMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.
19	ALL DEVICES INCLUDING SWITCHES, PLATES, THERMOSTATS, CONTROL PANELS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR BASED UPON THE FOLLOWING CRITERIA: A. DEVICES LOCATED WITHIN 36" OF EACH OTHER HORIZONTALLY (IN PLAN VIEW) OF EACH OTHER SHALL BE INSTALLED SUCH THAT THE TOPS OF ALL DEVICES ARE ALIGNED OR THE CENTERLINE OF DEVICES ARE MAINTAINED. B. DEVICES LOCATED VERTICALLY (TWO OR MORE STACKED DEVICES) SHALL BE INSTALLED SUCH THAT THE CENTERLINES ARE MAINTAINED. SEE DIAGRAMS FOR REFERENCE. ADA REACH HEIGHTS AND DEVICE REQUIREMENTS PER CODE SUPERCEDE THIS NOTE AND WHERE IN CONFLICT SHALL REQUIRE COORDINATION AND APPROVAL FROM THE ARCHITECT.
20	FINAL LOCATION OF ALL FIRE ALARM DEVICES, EMERGENCY EGRESS LIGHTING, EXIT SIGNS, FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS, ETC. SHALL BE REVIEWED AND FIELD COORDINATED WITH CONSIDERATION OF FINAL FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. APPROVAL MUST BE OBTAINED BY THE ARCHITECT PRIOR TO INSTALLATION.
21	ALL DEVICES INCLUDING SWITCHES, PLATES, THERMOSTATS, CONTROL PANELS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR BASED UPON THE FOLLOWING CRITERIA: A. DEVICES LOCATED WITHIN 36" OF EACH OTHER HORIZONTALLY (IN PLAN VIEW) OF EACH OTHER SHALL BE INSTALLED SUCH THAT THE TOPS OF ALL DEVICES ARE ALIGNED OR THE CENTERLINE OF DEVICES ARE MAINTAINED. B. DEVICES LOCATED VERTICALLY (TWO OR MORE STACKED DEVICES) SHALL BE INSTALLED SUCH THAT THE CENTERLINES ARE MAINTAINED. SEE DIAGRAMS FOR REFERENCE. ADA REACH HEIGHTS AND DEVICE REQUIREMENTS PER CODE SUPERCEDE THIS NOTE AND WHERE IN CONFLICT SHALL REQUIRE COORDINATION AND APPROVAL FROM THE ARCHITECT.
22	FINAL LOCATION OF ALL FIRE ALARM DEVICES, EMERGENCY EGRESS LIGHTING, EXIT SIGNS, FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS, ETC. SHALL BE REVIEWED AND FIELD COORDINATED WITH CONSIDERATION OF FINAL FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. APPROVAL MUST BE OBTAINED BY THE ARCHITECT PRIOR TO INSTALLATION.
23	MATERIALS SHALL BE FASTENED/ATTACHED AS INDICATED WITHIN THE CONTRACT DOCUMENTS. WHERE NOT SPECIFICALLY INDICATED WITHIN THE CONTRACT DOCUMENTS, MATERIALS SHALL BE FASTENED/ATTACHED PER MATERIAL & FASTENER MANUFACTURER'S WRITTEN INSTRUCTIONS & WRITTEN RECOMMENDATIONS AND AS FOLLOWS: SUBSTRATE, OVERLAP, & LAYERED MATERIALS SHALL BE FASTENED TO THE ASSEMBLY'S BASE STRUCTURE AND NOT TO THE PRECEDING SUBSTRATE UNLESS SPECIFICALLY INDICATED TO ATTACH TO SUCH SUBSTRATE BY THE CONTRACT DOCUMENTS, TESTED ASSEMBLY DESCRIPTION, OR MANUFACTURER'S WRITTEN INSTRUCTIONS OR WRITTEN RECOMMENDATIONS.

GENERAL DOG WING NOTES	
1	THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A METAL BUILDING PACKAGE THAT MEETS THE DESIGN INTENT INDICATED IN THE CONTRACT DOCUMENTS, INCLUDING CONFIGURATION, DIMENSIONS, MATERIALS, AND MAJOR DESIGN FEATURES. THE CONTRACTOR IS RESPONSIBLE FOR ALL FABRICATION AND ERECTION DETAILS. DESIGN, COMPONENTS, AND ANY ASSOCIATED CONNECTIONS SHALL BE COMPLETED BY A MD REGISTERED STRUCTURAL ENGINEER HIRED BY THE CONTRACTOR. THIS SHALL INCLUDE, BUT NOT LIMITED TO, THE STRUCTURE, STRUCTURE ENVELOPE, AND FINISHES. THE DESIGN SHALL SATISFY THE LOAD REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS AND PER ALL APPLICABLE CODES. CALCULATIONS ARE REQUIRED TO BE SEALED BY A MD REGISTERED STRUCTURAL ENGINEER. ALL REQUIRED BUILDING AND TRADE PERMITS FOR THIS DELEGATED DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR.
2	THE PRE-FABRICATED METAL BUILDING HAS BEEN DESIGN BY AMERICAN BUILDINGS COMPANY, A NUCOR COMPANY. AMERICAN BUILDINGS COMPANY, A NUCOR COMPANY HAS COORDINATED ALL SYSTEM COMPONENTS INCLUDING CONFIGURATION, DIMENSIONS, MATERIALS, MAJOR DESIGN FEATURES, AND COORDINATION/REQUIREMENTS OF THE FOUNDATIONS AND SLABS. IF AN ALTERNATIVE VENDOR AND COMPONENTS ARE ENGAGED, THE VENDOR, ALL COMPONENTS, AND FUNCTIONALITY SHALL BE APPROVED BY THE OWNER. WHERE ALTERNATE VENDOR AND COMPONENTS ARE ACCEPTED BY THE OWNER, THE GC AND ALTERNATE VENDOR SHALL BE RESPONSIBLE TO COMPLETE AND PAY FOR ANY COORDINATION, REDESIGN, RE-ENGINEERING, ALTERNATIONS, OR OTHER SUCH WORK AND/OR MATERIALS REQUIRED TO ACCOMMODATE SUCH ALTERNATE SYSTEM AND COMPONENTS.

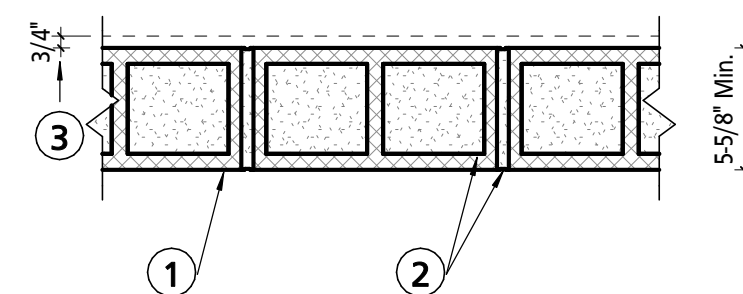
UL-U906

NOT TO SCALE

Design No. U906
 BXUV - Fire Resistance Ratings - ANSI/UL 263
 BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
 Design No. U906
 May 26, 2015
 Bearing Wall Rating - 2 HR.
 Nonbearing Wall Rating - 2 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

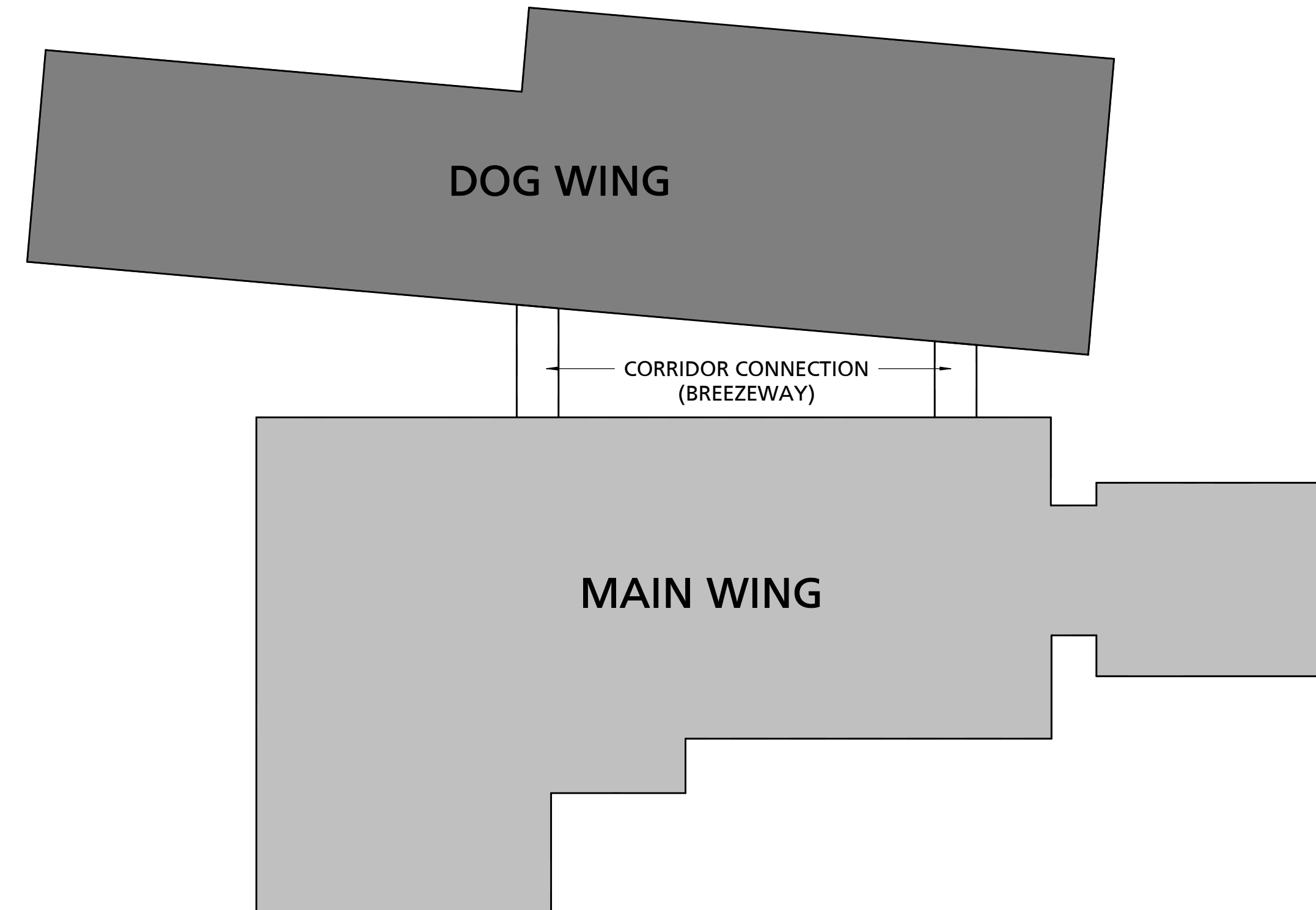


- Concrete Blocks*** - Nominal 6 by 8 by 16 in, hollow or solid. Various designs. Classification (2 hr). See Concrete Blocks category for list of eligible manufacturers.
ANCHOR CONCRETE PRODUCTS INC
GAGNE & SON CONCRETE BLOCK INC
GLENWOOD MASONRY PRODUCTS
 Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.
OLDCASTLE APG SOUTH INC, DBA ADAMS PRODUCTS
WESTBROOK CONCRETE BLOCK CO INC
 Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.
 - Mortar** - Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2:1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
 - Portland Cement Stucco or Gypsum Plaster** - Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).
 - Foamed Plastic*** - (Optional-Not Shown) - 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP - "EnergyShield Pro Wall Insulation" and "EnergyShield Pro 2 Wall Insulation"
CARLISLE COATINGS & WATERPROOFING INC - Type R2+ Sheath
HUNTER PANELS - Types Xci-Class A, Xci 286
RMAX OPERATING L L C - "TSX-8500", "TSX-8510", "Thermasheath-XP", "ECOMAXci", "Thermasheath-3", "Durasheath-3"
THE DOW CHEMICAL CO - Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation
 - Building Units** - As an alternate to Item 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in., with a facer on one side and wood fiber board on the other.
RMAX OPERATING L L C - "Thermasheath-S1"
- * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

PAVILION
(UNDER SEPARATE PERMIT)

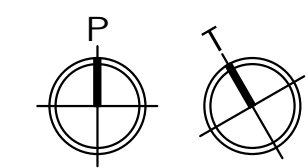
CARPORT
(UNDER SEPARATE PERMIT)

BARN
(UNDER SEPARATE PERMIT)



KEY PLAN

NOT TO SCALE



SEAL:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NUMBER: #15505
 EXPIRATION DATE: 8-18-2025



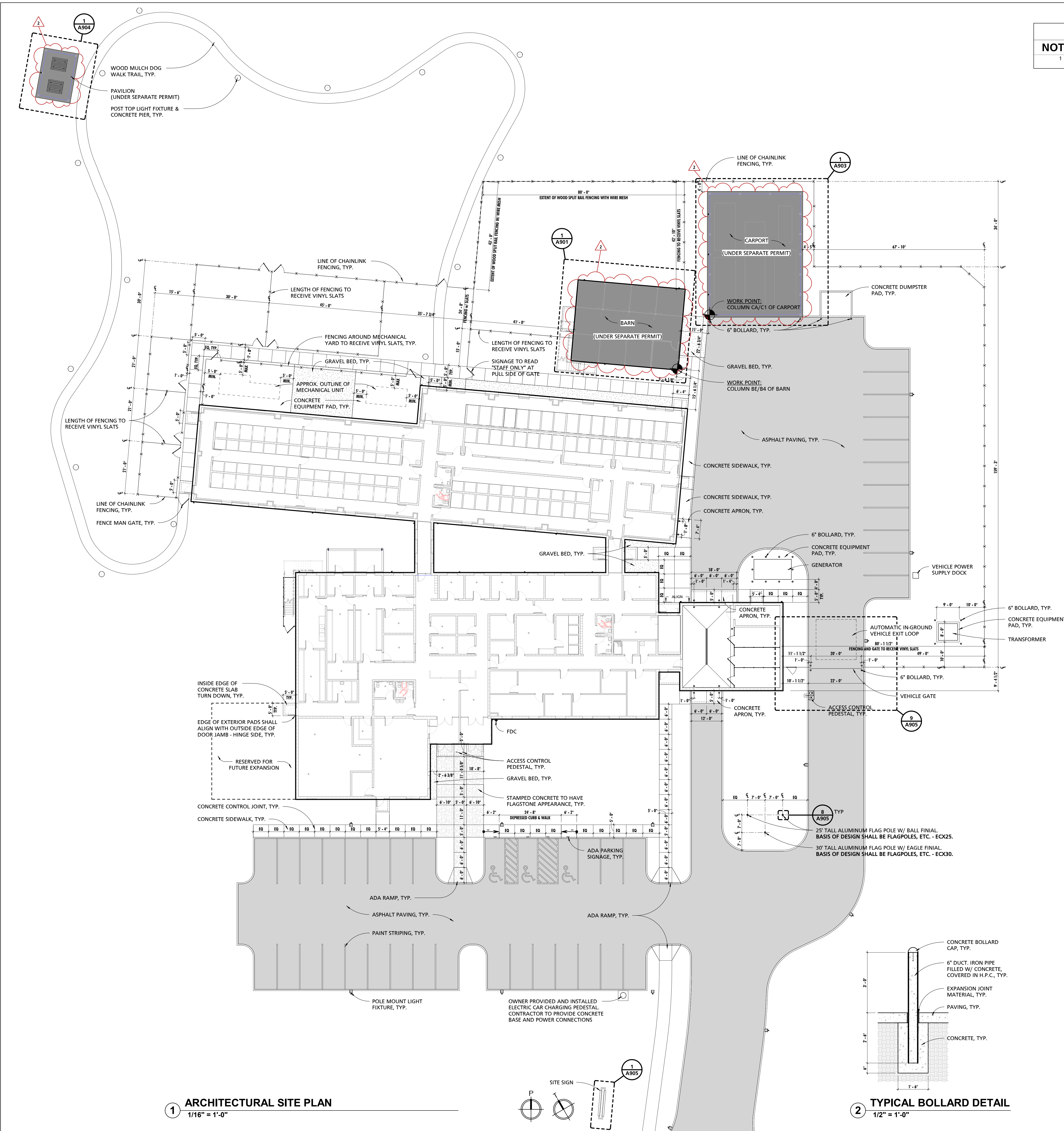
CHARLES COUNTY
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
2	PERMIT COMMENT	05-05-20

PROJECT NUMBER:
 18-034
 PROJECT SET:
 PERMIT
 DATE ISSUED:
 12/23/2019

DRAWING TITLE:
 GENERAL PROJECT
 NOTES & UL ASSEMBLIES

SHEET NUMBER:
G004



GENERAL SITE NOTES	
NOTE #	NOTE
1	EXTERIOR CONCRETE PADS SURROUNDING THE BUILDING SHALL BE 4" THICK AND HAVE A MINIMUM OF 4" THICK CRUSHED STONE. SLAB SHALL HAVE A MINIMUM 30" BELOW GRADE TURN-DOWN PERIMETER. DOWEL SLAB INTO BUILDING W/ SMOOTH #4 X 30" DOWELS @ 24" O.C. GREASE ONE END, TYP. SLOPE SLAB AWAY FROM BUILDING 1/8" PER FOOT, U.O.N.

1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

2 TYPICAL BOLLARD DETAIL
1/2" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505. EXPIRATION DATE: 05-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
2	PERMIT COMMENT	05-05-20

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A100

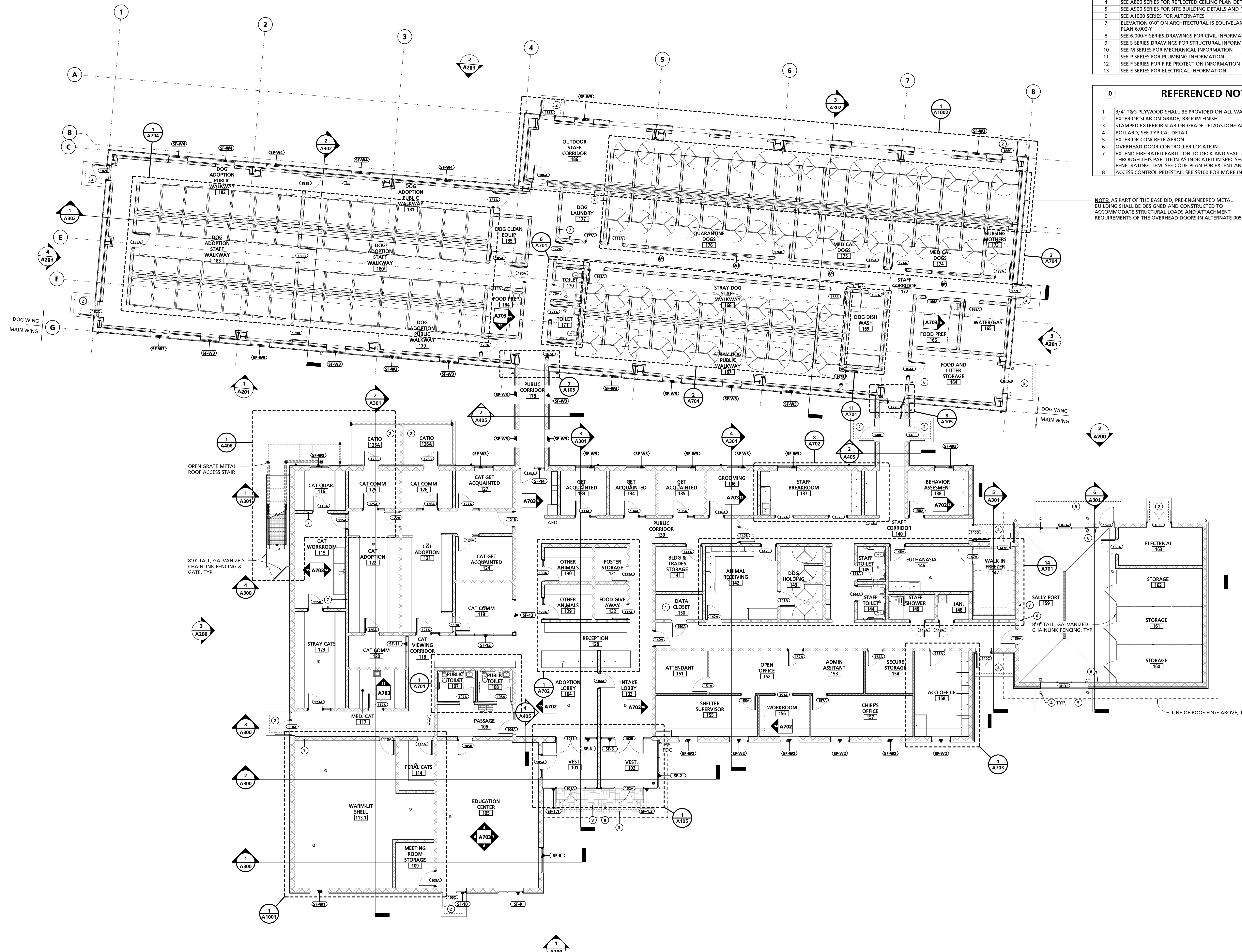
GENERAL REFERENCE PLAN NOTES

- 1 FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS SHALL BE PROVIDED IN LOCATIONS AS INDICATED WITHIN THE CODE PLAN AND PROJECT MANUAL
- 2 SEE A500 SERIES FOR ROOF PLAN DETAILS AND NOTES
- 3 SEE A600 SERIES FOR DOOR, WINDOW AND STOREFRONT SCHEDULE AND NOTES
- 4 SEE A800 SERIES FOR REFLECTED CEILING PLAN DETAILS AND NOTES
- 5 SEE A900 SERIES FOR SITE BUILDING DETAILS AND NOTES
- 6 SEE A1000 SERIES FOR ALTERNATES
- 7 ELEVATION 0'-0" ON ARCHITECTURAL IS EQUIVALENT TO CIVIL'S FINISH FLOOR ELEVATION AS INDICATED ON THE SITE PLAN 6.002-Y
- 8 SEE 6.000-Y SERIES DRAWINGS FOR CIVIL INFORMATION
- 9 SEE S SERIES DRAWINGS FOR STRUCTURAL INFORMATION
- 10 SEE M SERIES FOR MECHANICAL INFORMATION
- 11 SEE P SERIES FOR PLUMBING INFORMATION
- 12 SEE F SERIES FOR FIRE PROTECTION INFORMATION
- 13 SEE E SERIES FOR ELECTRICAL INFORMATION

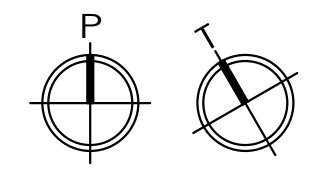
REFERENCED NOTES - NEW CONSTRUCTION

- 0 3/4" T&G PLYWOOD SHALL BE PROVIDED ON ALL WALLS SURROUNDING DATA CLOSET 150 FROM FLOOR TO 8'-0" A.F.F.
- 1 EXTERIOR SLAB ON GRADE, BROOM FINISH
- 2 STAMPED EXTERIOR SLAB ON GRADE - FLAGSTONE APPEARANCE
- 3 BOLLARD, SEE TYPICAL DETAIL
- 4 EXTERIOR CONCRETE APRON
- 5 OVERHEAD DOOR CONTROLLER LOCATION
- 6 EXTEND FIRE-RATED PARTITION TO DECK AND SEAL TO PREVENT THE PASSAGE OF SMOKE. TREAT PENETRATIONS THROUGH THIS PARTITION AS INDICATED IN SPEC SECTION "PENETRATION FIRESTOPPING" FOR EACH TYPE OF PENETRATING ITEM. SEE CODE PLAN FOR EXTENT AND TYPE.
- 8 ACCESS CONTROL PEDESTAL, SEE S5100 FOR MORE INFORMATION

NOTE: AS PART OF THE BASE BID, PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE STRUCTURAL LOADS AND ATTACHMENT REQUIREMENTS OF THE OVERHEAD DOORS IN ALTERNATE 005.



1 REFERENCE PLAN
1/8" = 1'-0"



SEAL:



HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 8-18-2025

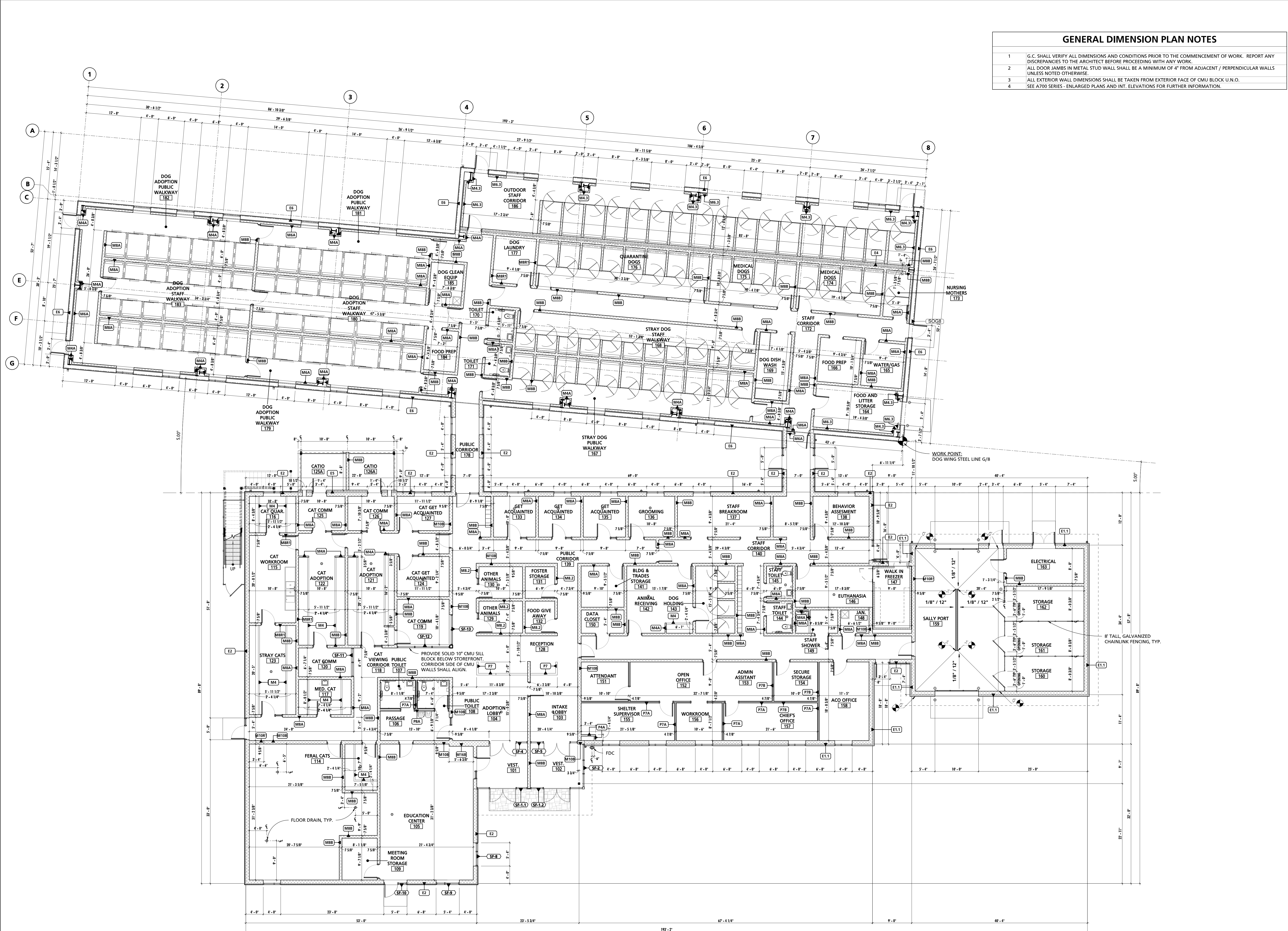
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

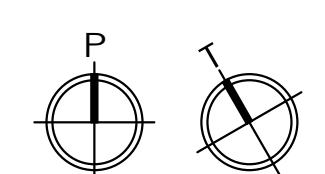
PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: REFERENCE PLAN
SHEET NUMBER: **A101**

GENERAL DIMENSION PLAN NOTES

- G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.
- ALL DOOR JAMBS IN METAL STUD WALL SHALL BE A MINIMUM OF 4" FROM ADJACENT / PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- ALL EXTERIOR WALL DIMENSIONS SHALL BE TAKEN FROM EXTERIOR FACE OF CMU BLOCK U.N.O.
- SEE A700 SERIES - ENLARGED PLANS AND INT. ELEVATIONS FOR FURTHER INFORMATION.



1 DIMENSION PLAN
 1/8" = 1'-0"



SEAL:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NUMBER: #15505
 EXPIRATION DATE: 06-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

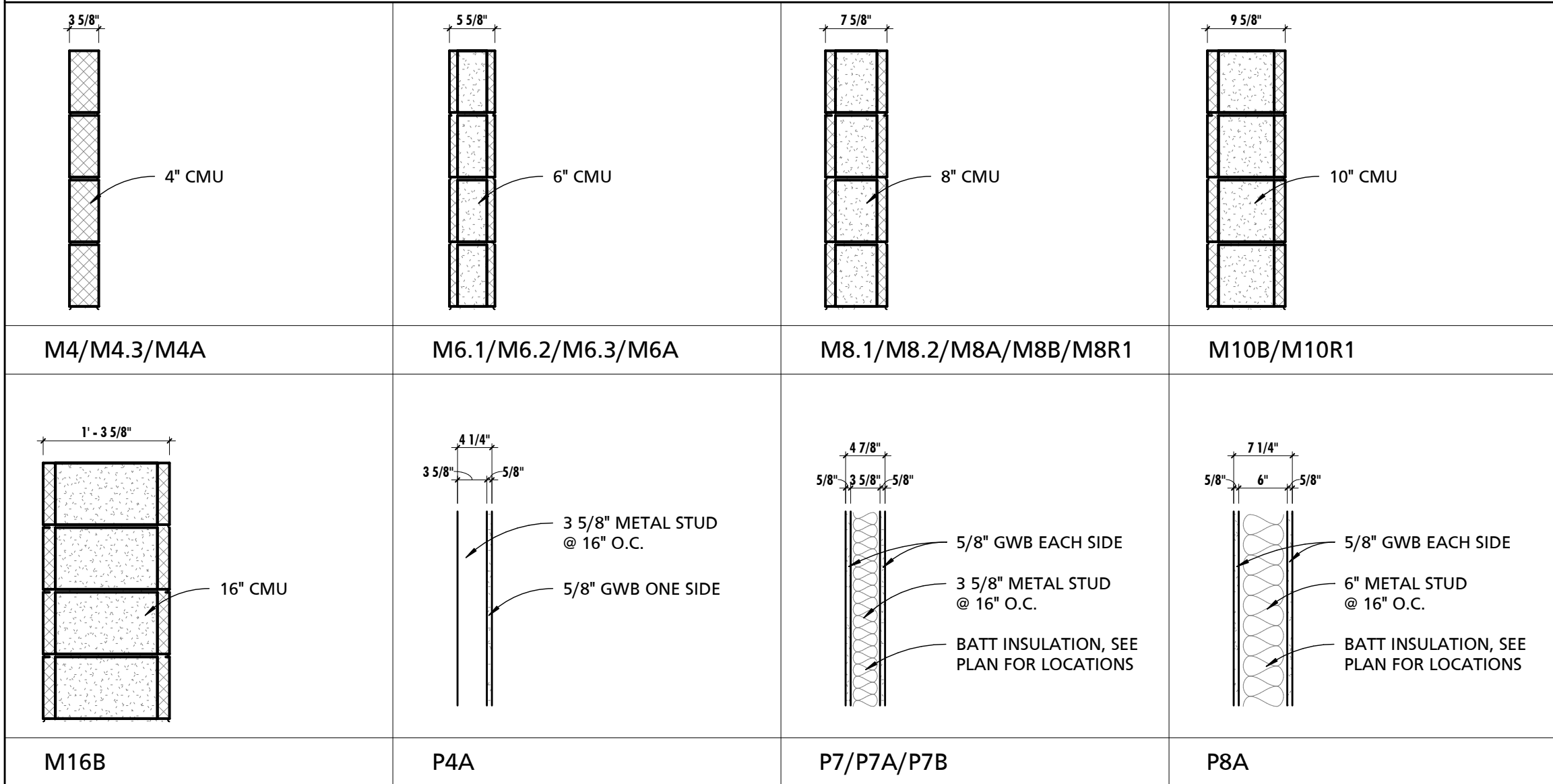
PROJECT NUMBER:
 18-034
 PROJECT SET:
 PERMIT
 DATE ISSUED:
 12/23/2019

DRAWING TITLE:
 DIMENSION PLAN

SHEET NUMBER:
A102

INTERIOR WALL ASSEMBLY SCHEDULE				FIRE RATING		
MARK	WIDTH	DESCRIPTION	RATING	ASSEMBLY REF.	STC RATING	
M4	3 5/8"	4" CMU - HEIGHT VARIES				
M4.3	3 5/8"	4" CMU TO EXTEND 8" - 0" A.F.F.				
M4A	3 5/8"	4" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING				
M6.1	5 5/8"	6" CMU TO EXTEND 5" - 4" A.F.F.				
M6.2	5 5/8"	6" CMU TO EXTEND 6" - 8" A.F.F.				
M6.3	5 5/8"	6" CMU TO EXTEND 8" - 0" A.F.F.				
M6A	5 5/8"	6" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING				
M8.1	7 5/8"	8" CMU TO EXTEND 6" - 8" A.F.F.				
M8.2	7 5/8"	8" CMU TO EXTEND 10" - 0" A.F.F.				
M8A	7 5/8"	8" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING				
M8B	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE				
M8B1	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-L906		
M10B	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE				
M10B1	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-L906		
M16B	15 5/8"	16" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE				
P4A	4 1/4"	3 5/8" METAL STUD W/ 5/8" GWB ONE SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING				
P7	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE - HEIGHT VARIES				
P7A	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING				
P7B	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE				
P8A	7 1/4"	6" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING				

INTERIOR WALL ASSEMBLY TYPE DETAILS



INTERIOR NON-LOAD BEARING / NON-STRUCTURAL PARTITION METAL STUD FRAMING SCHEDULE

HEIGHT	SHAPE	GAUGE	SPACING
0' - 13'	3-5/8"x1-1/4"	20	16" o/c
0' - 18'	3-5/8"x1-5/8"	18	16" o/c
0' - 19'	6"x1-1/4"	25	16" o/c
0' - 21'	8"x2"	18	16" o/c

NOTE: WHERE STUDS ARE PLACED AGAINST MASONRY OR CONCRETE WALLS FOR THE PURPOSES OF FURRING, HIGHER SPANS THAN INDICATED WITHIN THIS SCHEDULE ARE PERMITTED PROVIDED THAT TIE BACK BRACING IS PROVIDED AT 10'-0" O.C. MAX. SEE STRUCTURAL DRAWINGS FOR LOAD BEARING AND STRUCTURAL LIGHT GAUGE METAL STUDS.

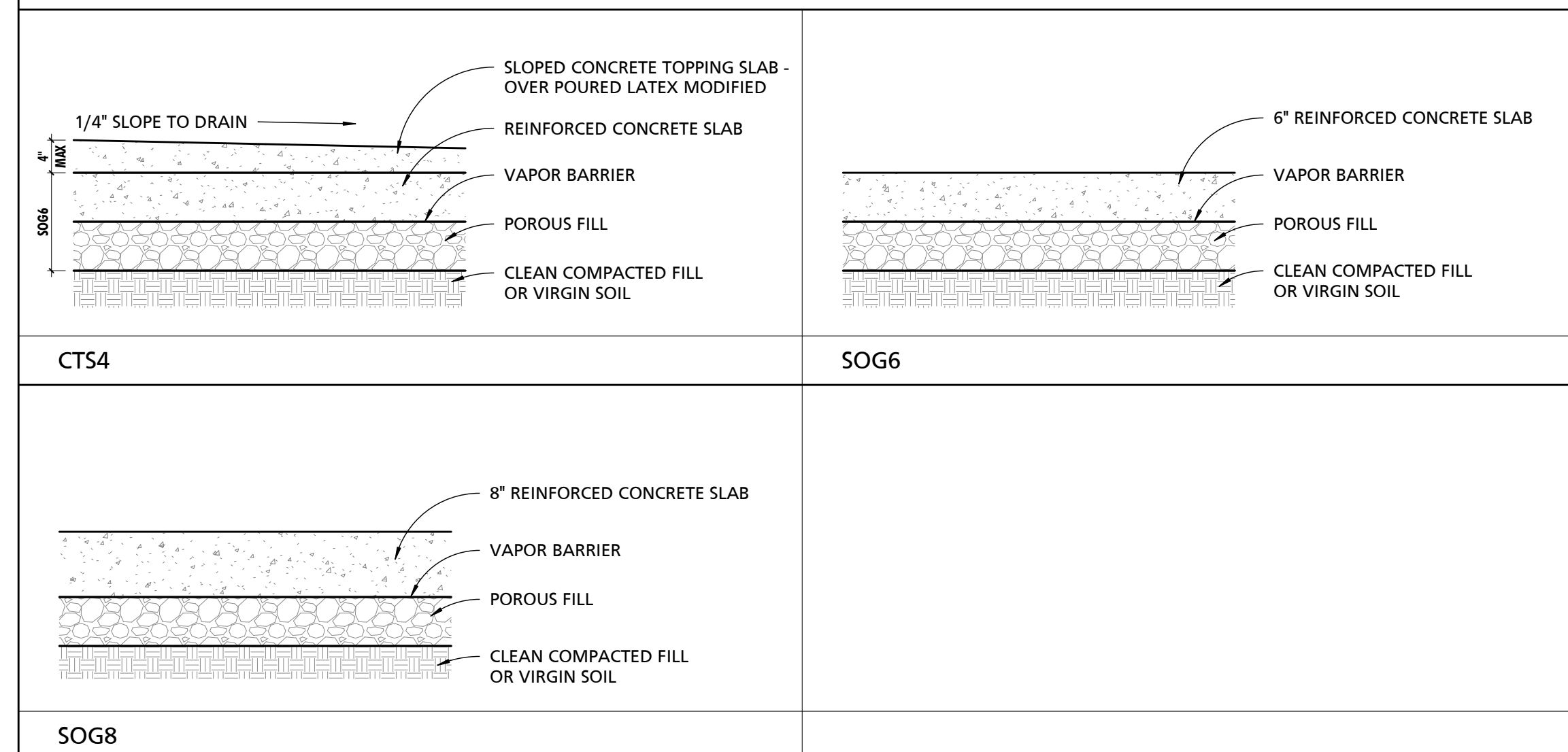
GENERAL INTERIOR WALL NOTES

- ENTRY SPACES, LOBBIES, AND CORRIDORS TO RECEIVE IMPACT RESISTANT GYPSUM WALL BOARD, U.N.O.
- PROVIDE FIBERGLASS REINFORCED MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL EQUIPMENT ROOMS, JANITOR'S CLOSETS, RESTROOMS, KITCHENS AND OTHER WET AREAS. PROVIDE FIBERGLASS REINFORCED MOISTURE RESISTANT WALL BOARD IN ALL OTHER AREAS WITHIN 8'-0" OF WATER SOURCE.
- CONTRACTOR SHALL PROVIDE BLOCKING AND NAILERS AS REQUIRED TO SUPPORT ALL NEW WORK, INCLUDING ITEMS TO BE PROVIDED AND/OR INSTALLED BY OWNER.
- ALL CORRIDOR AND FIRE-RATED PARTITIONS SHALL BE EXTENDED TO THE UNDERSIDE OF THE STRUCTURE ABOVE, U.N.O. THE PERIMETER WALLS OF ANY SPACE NOT PROVIDED WITH A CEILING SHALL EXTEND THE UNDERSIDE OF DECK ABOVE.
- PROVIDE DEFLECTION TRACKS AT TOP OF ALL NON-LOAD BEARING STUD WALLS EXTENDING TO THE UNDERSIDE OF STRUCTURE ABOVE, U.N.O.
- PROVIDE CONCRETE BACKER BOARD IN LIEU OF GYPSUM WALL BOARD WHERE TILE FINISH IS INDICATED.
- ALL FIRE WALLS SHALL BE PLACARDED OR STENCILED ON BOTH SIDES WITH THE PHRASE "FIRE WALL" PER IBC SECTION 703.7.1. THE LETTERS SHALL BE RED IN COLOR, 6" INCHES HIGH AND A MIN. OF 3/4" WIDE. THE PHRASE SHALL BE WRITTEN ONCE FOR EACH 15 FEET OF HORIZONTAL WALL LENGTH. THIS SIGNAGE MAY BE LOCATED IN THE CONCEALED SPACE ABOVE A CEILING.
- SEE METAL STUD PARTITION FRAMING SCHEDULE FOR INTERIOR PARTITION REQUIREMENTS.
- MOISTURE RESISTANT GYPSUM WALL BOARD SHALL BE UTILIZED IN ALL AREAS WHERE GYPSUM WALL BOARD IS TO BE DIRECTLY ADHERED TO CONCRETE OR MASONRY SURFACES IN INTERIOR APPLICATIONS. SUBSTRATE SHALL BE CLEANED AS REQUIRED AND FREE OF DUST, DEBRIS, AND MOISTURE PRIOR TO ADHESION AND FINISHING.
- CONSTRUCTION OF RATED WALL ASSEMBLIES SHALL BE STRICTLY ADHERED TO IN ACCORDANCE WITH UL AND/OR GYPSUM ASSEMBLY SPECIFICATIONS. REFER TO CODE PLANS FOR ADDITIONAL INFORMATION.
- PROVIDE A BULLNOSE CMU AT ALL OUTSIDE CORNERS OF INTERIOR MASONRY WALLS & SILLS.

FLOOR ASSEMBLY SCHEDULE

MARK	DESCRIPTION	COMMENTS
CTS4	4" CONCRETE SLAB	
SOG6	6" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	
SOG8	8" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	TYPICAL DOG WING SLAB

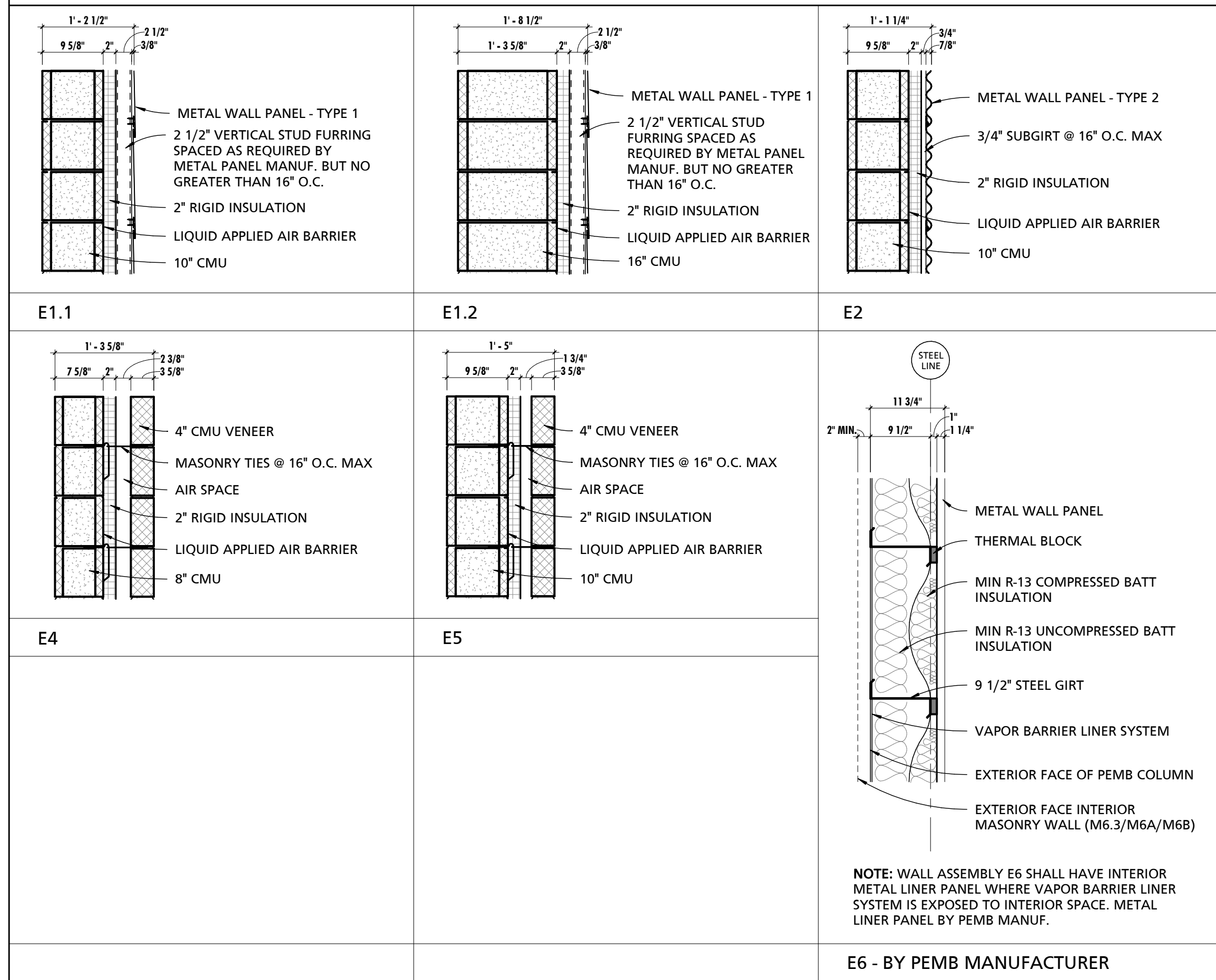
FLOOR ASSEMBLY TYPE DETAILS



EXTERIOR WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	6" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	11 7/8"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

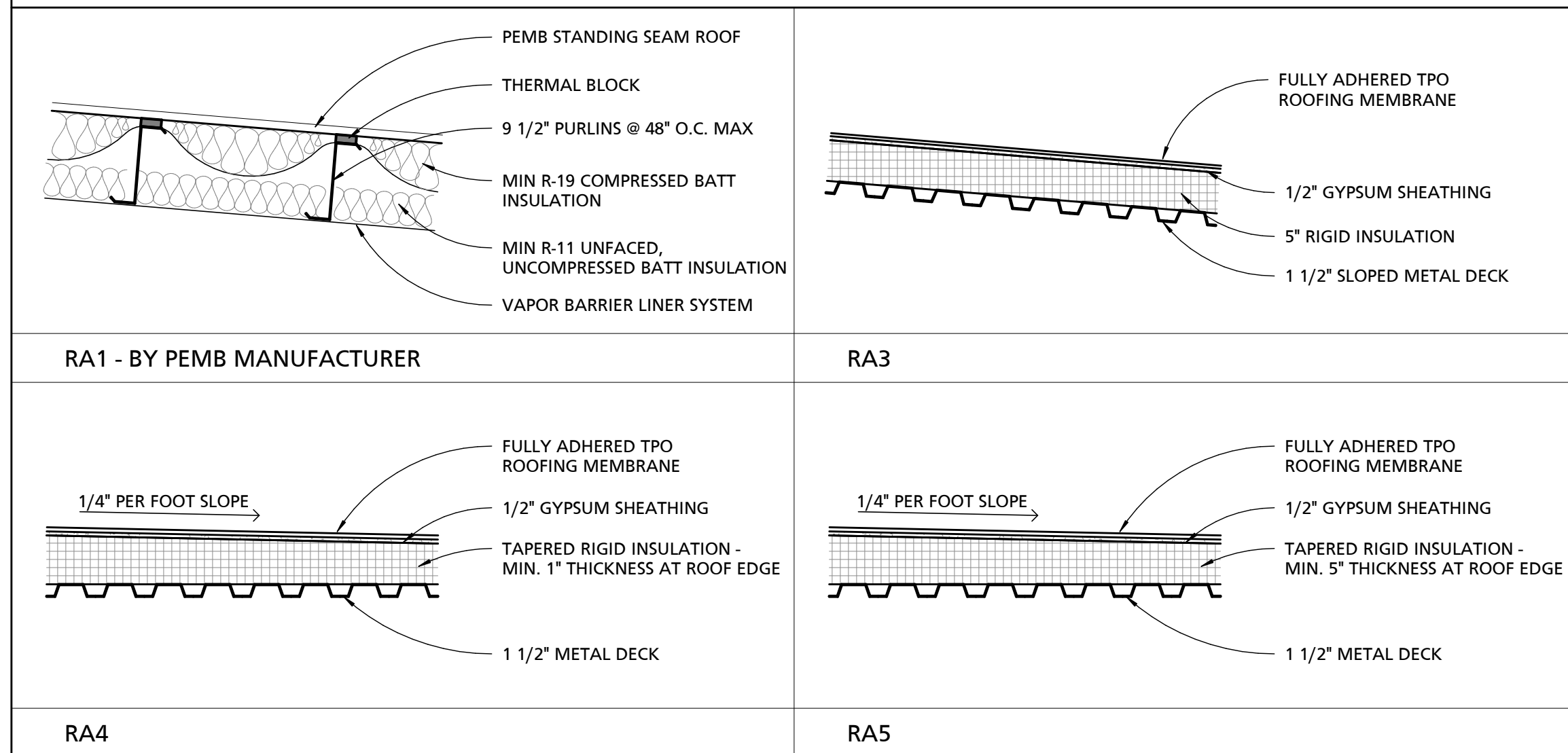
EXTERIOR WALL ASSEMBLY TYPE DETAILS



ROOF ASSEMBLY SCHEDULE

MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

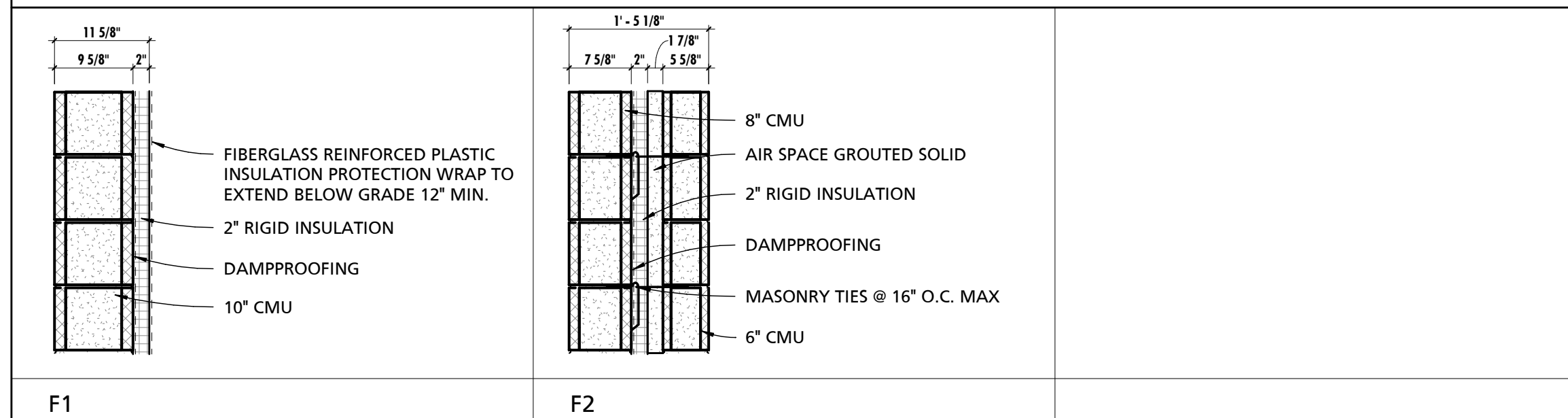
ROOF ASSEMBLY TYPE DETAILS



FOUNDATION WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
F1	11 5/8"	10" CMU W/ DAMPPROOFING, 2" RIGID INSULATION AND FIBERGLASS REINFORCED PLASTIC INSULATION PROTECTION WRAP
F2	17 1/8"	6" CMU W/ DAMPPROOFING, 2" RIGID INSULATION, 1 7/8" AIR SPACE AND 8" CMU

FOUNDATION WALL ASSEMBLY TYPE DETAILS



SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: BUILDING ASSEMBLY TYPES & DETAILS
SHEET NUMBER: A103

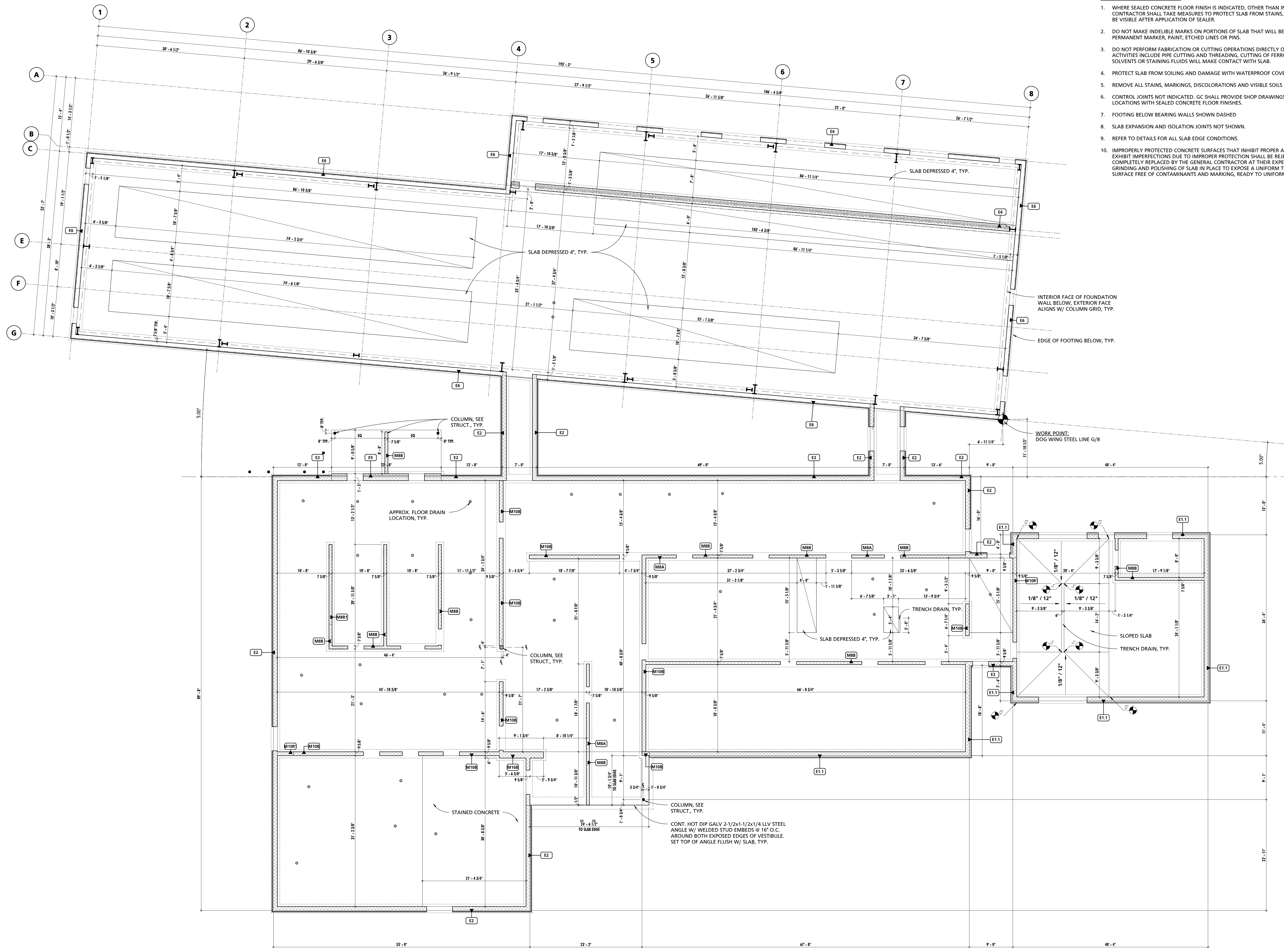
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 05-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

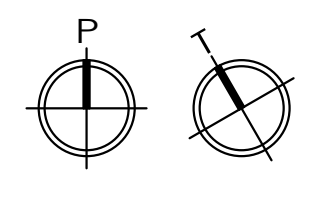
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
SLAB/BEARING DIAGRAM
SHEET NUMBER:
A104



- CONCRETE SLAB NOTES:**
- WHERE SEALED CONCRETE FLOOR FINISH IS INDICATED, OTHER THAN IN STORAGE AND UTILITY SPACES, GENERAL CONTRACTOR SHALL TAKE MEASURES TO PROTECT SLAB FROM STAINS, MARKS AND DISCOLORATIONS THAT WILL BE VISIBLE AFTER APPLICATION OF SEALER.
 - DO NOT MAKE INDELIBLE MARKS ON PORTIONS OF SLAB THAT WILL BE VISIBLE INCLUDING BUT NOT LIMITED TO PERMANENT MARKER, PAINT, ETCHED LINES OR PINS.
 - DO NOT PERFORM FABRICATION OR CUTTING OPERATIONS DIRECTLY ON UNPROTECTED CONCRETE. SUCH ACTIVITIES INCLUDE PIPE CUTTING AND THREADING, CUTTING OF FERROUS METALS, OR OPERATIONS WHERE OILS, SOLVENTS OR STAINING FLUIDS WILL MAKE CONTACT WITH SLAB.
 - PROTECT SLAB FROM SOILING AND DAMAGE WITH WATERPROOF COVERINGS AND PROTECTION BOARDS.
 - REMOVE ALL STAINS, MARKINGS, DISCOLORATIONS AND VISIBLE SOILS FROM CONCRETE BEFORE APPLYING SEALER.
 - CONTROL JOINTS NOT INDICATED: GC SHALL PROVIDE SHOP DRAWINGS OF CONTROL JOINT LOCATIONS FOR ALL LOCATIONS WITH SEALED CONCRETE FLOOR FINISHES.
 - FOOTING BELOW BEARING WALLS SHOWN DASHED
 - SLAB EXPANSION AND ISOLATION JOINTS NOT SHOWN.
 - REFER TO DETAILS FOR ALL SLAB EDGE CONDITIONS.
 - IMPROPERLY PROTECTED CONCRETE SURFACES THAT INHIBIT PROPER ABSORPTION OF STAIN INDICATED, OR THAT EXHIBIT IMPERFECTIONS DUE TO IMPROPER PROTECTION SHALL BE REJECTED BY THE ARCHITECT AND REPAIRED OR COMPLETELY REPLACED BY THE GENERAL CONTRACTOR AT THEIR EXPENSE. REPAIRS WILL BE LIMITED TO THE GRINDING AND POLISHING OF SLAB IN PLACE TO EXPOSE A UNIFORM TEXTURE, UNIFORMLY OPEN AND POROUS SURFACE FREE OF CONTAMINANTS AND MARKING, READY TO UNIFORMLY RECEIVE RE-APPLICATION OF SEALER.

1 LOAD-BEARING WALL/SLAB DIAGRAM
1/8" = 1'-0"



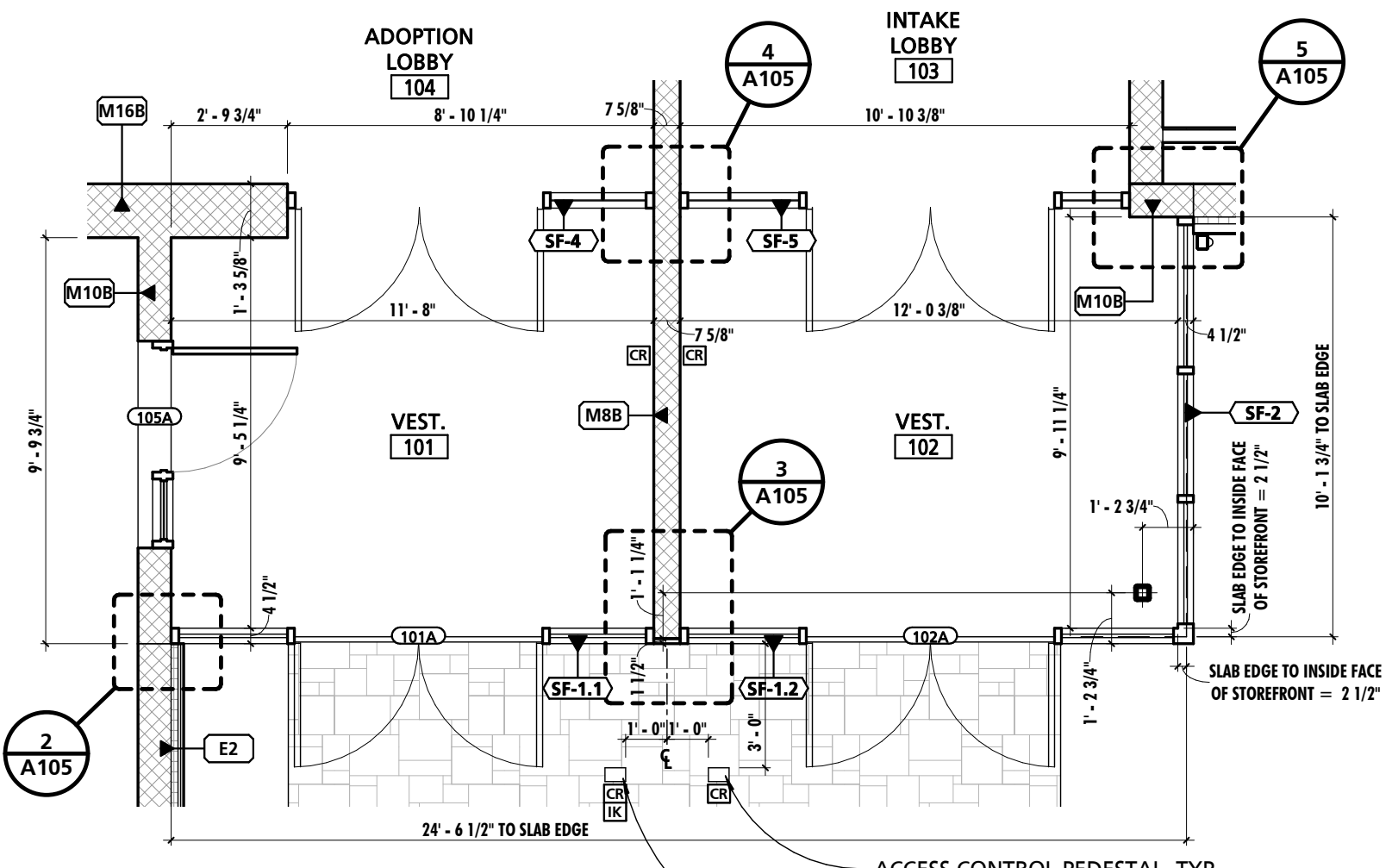
SEAL: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 03-18-2025



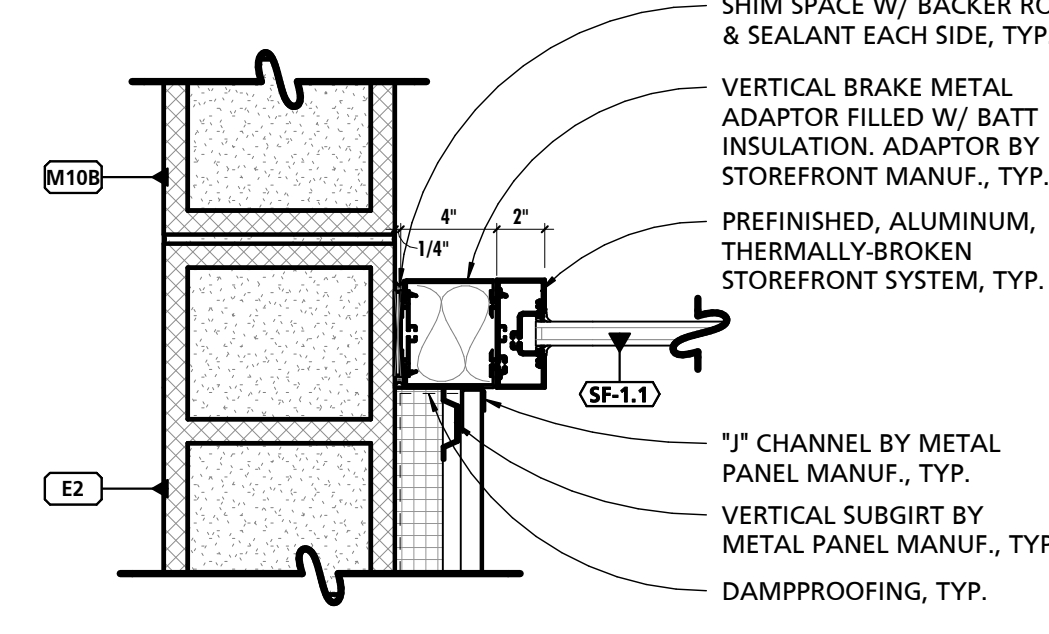
CHARLES COUNTY ANIMAL CARE CENTER
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

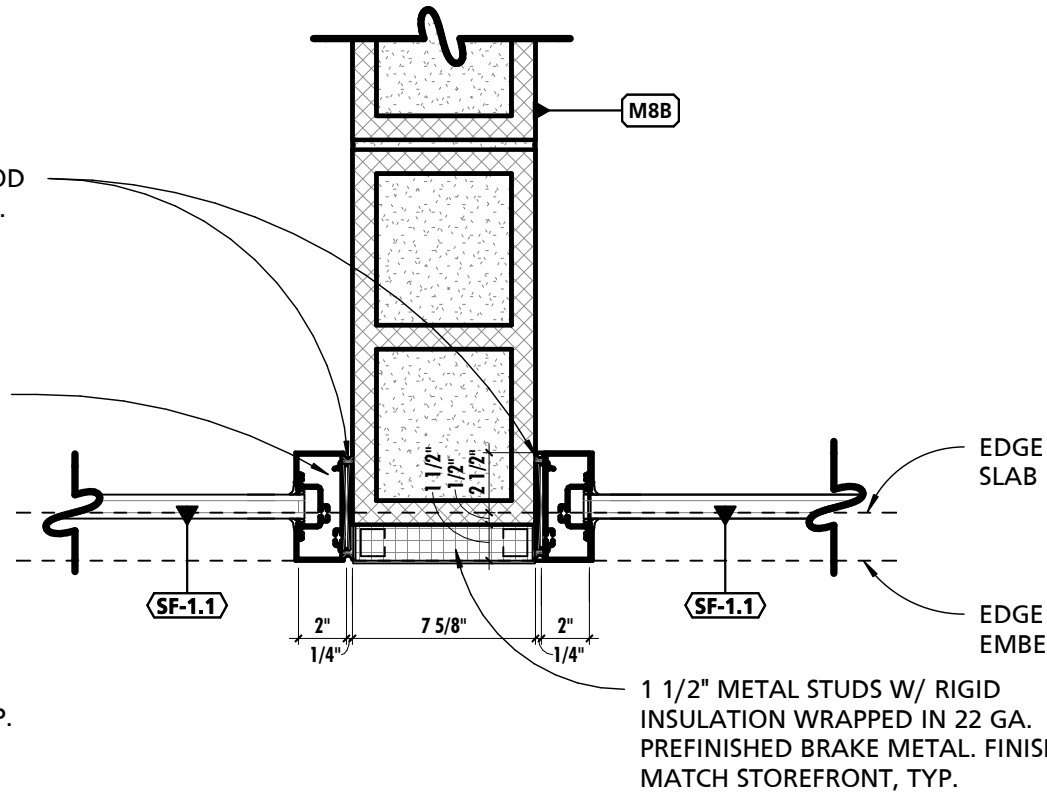
PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: PLAN DETAILS
SHEET NUMBER: A105



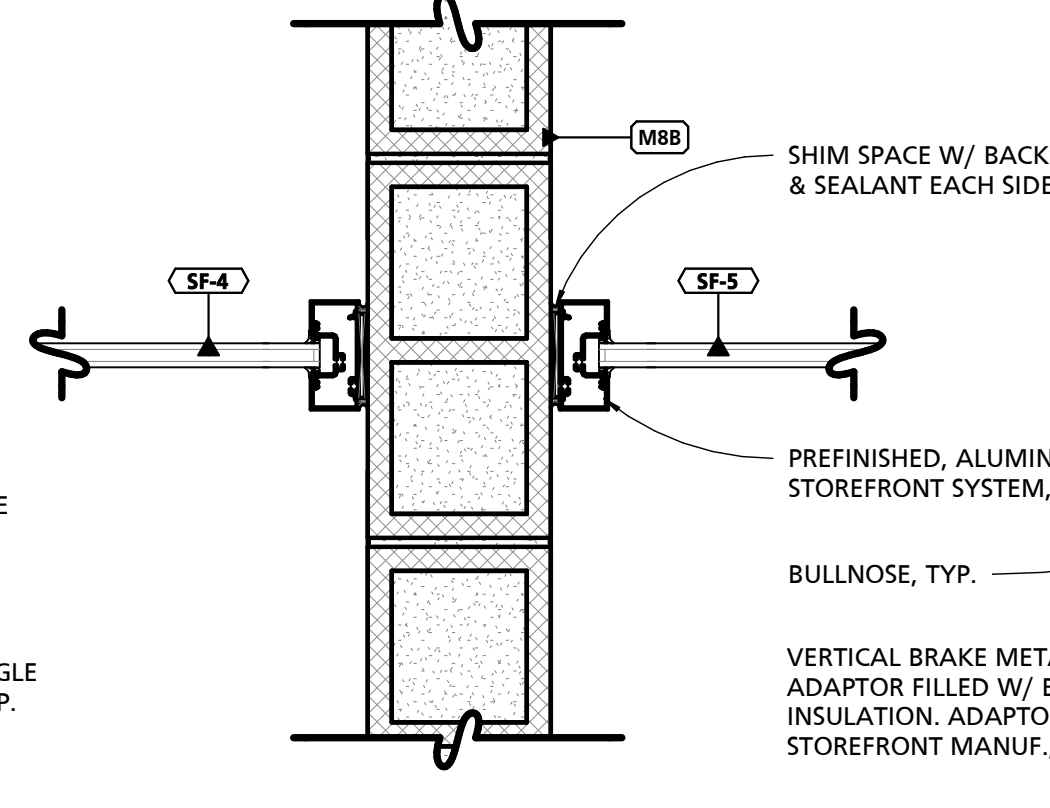
① VESTIBULE PLAN
1/4" = 1'-0"



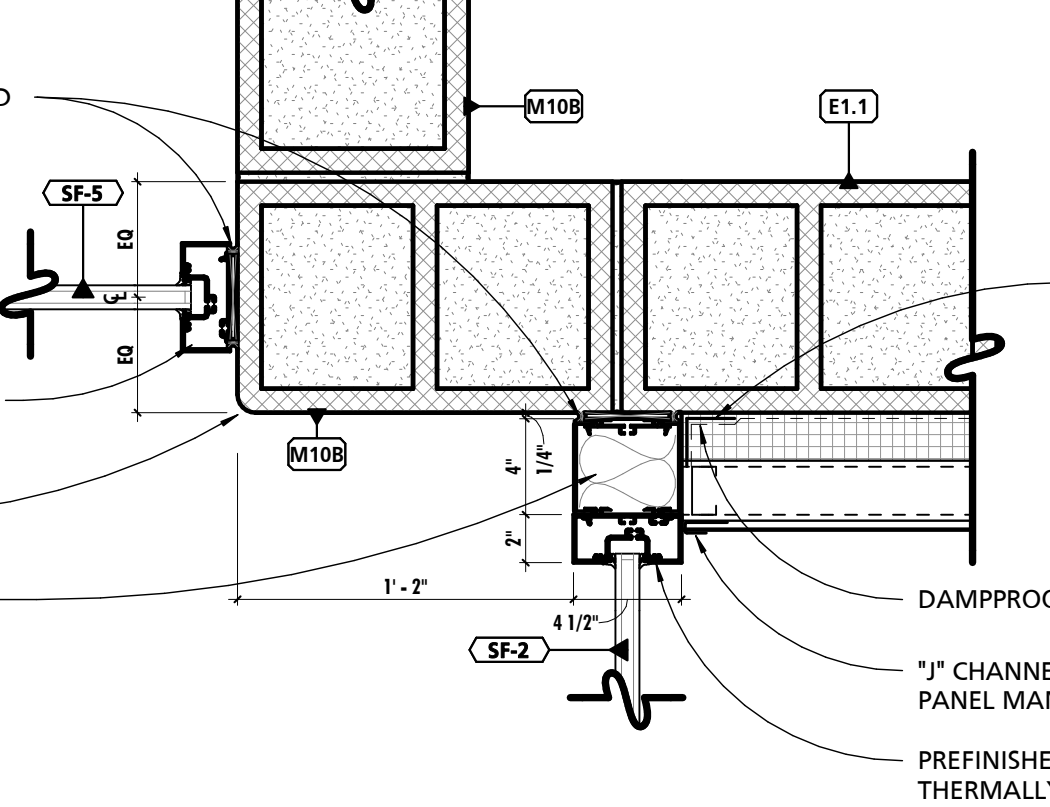
② ENLARGED PLAN DETAIL
1 1/2" = 1'-0"



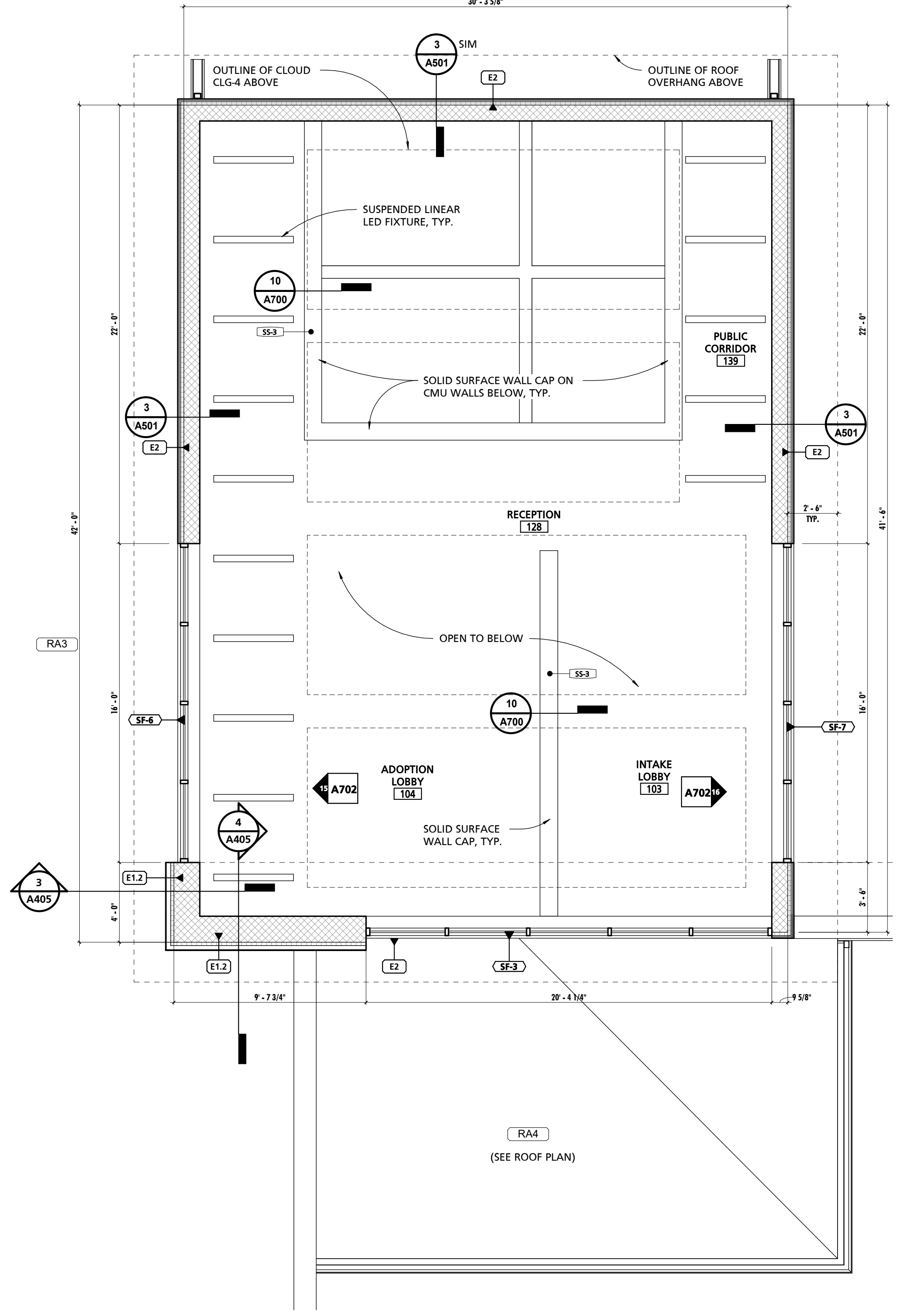
③ ENLARGED PLAN DETAIL
1 1/2" = 1'-0"



④ ENLARGED PLAN DETAIL
1 1/2" = 1'-0"

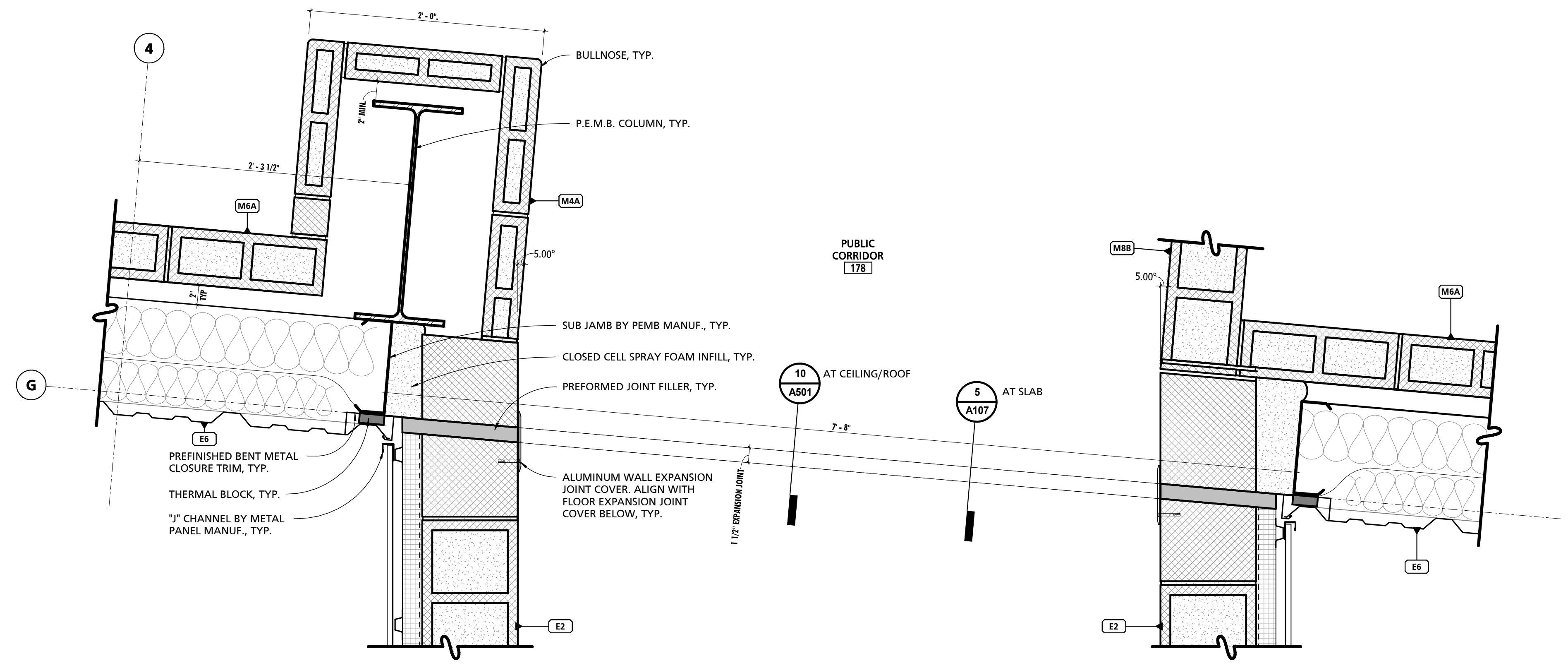


⑤ ENLARGED PLAN DETAIL
1 1/2" = 1'-0"

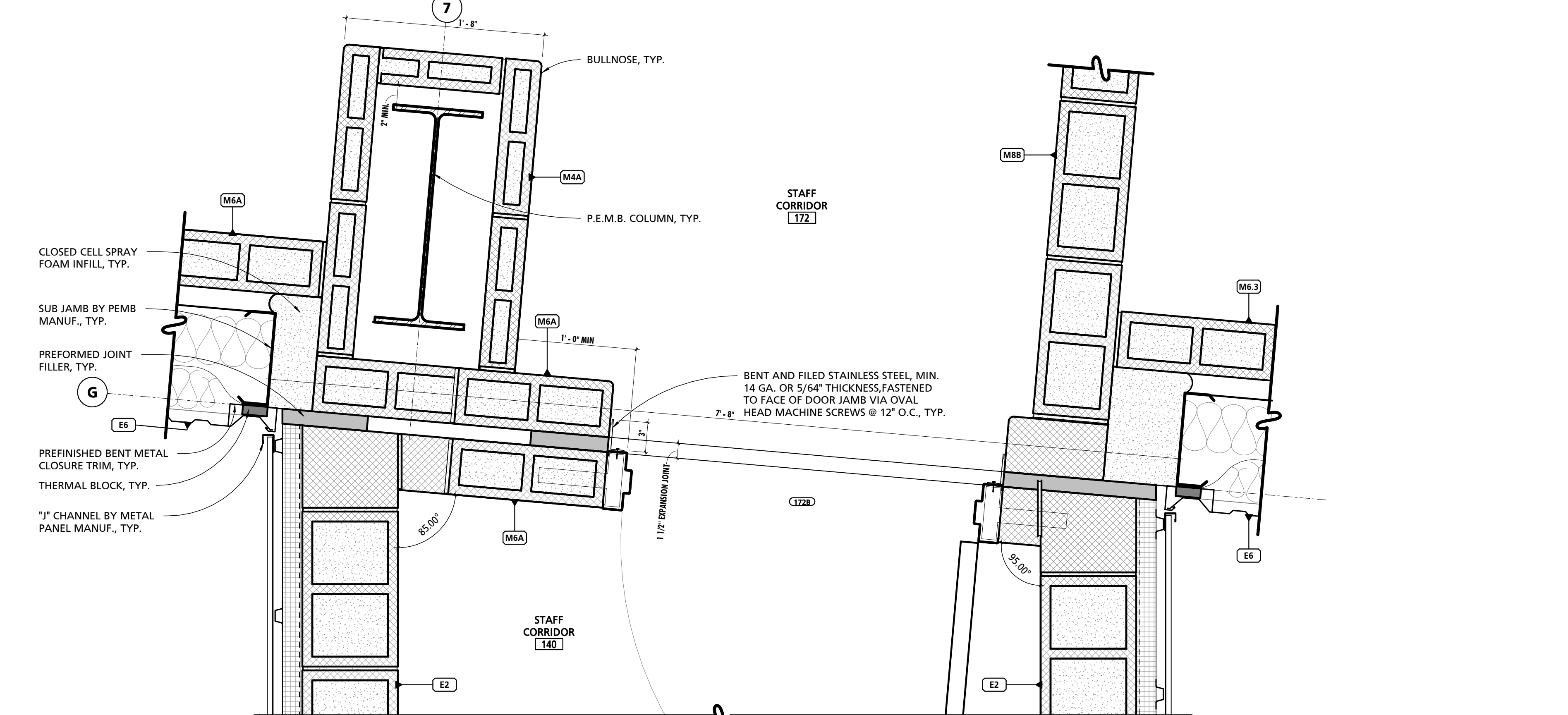


⑥ CLERESTORY PLAN
1/4" = 1'-0"

NOTE: SEE STOREFRONT DETAILS FOR STOREFRONT JAMB CONDITIONS

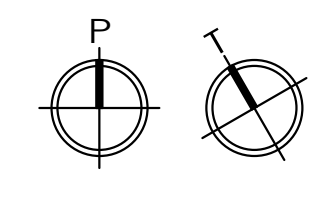


⑦ ENLARGED PLAN DETAIL
1 1/2" = 1'-0"



⑧ ENLARGED PLAN DETAIL
1 1/2" = 1'-0"

NOTE: SEE DOOR HEAD JAMB & SILL DETAILS FOR TREATMENT OF EXPANSION JOINT AT DOOR 172B



SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NUMBER: #15505
 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

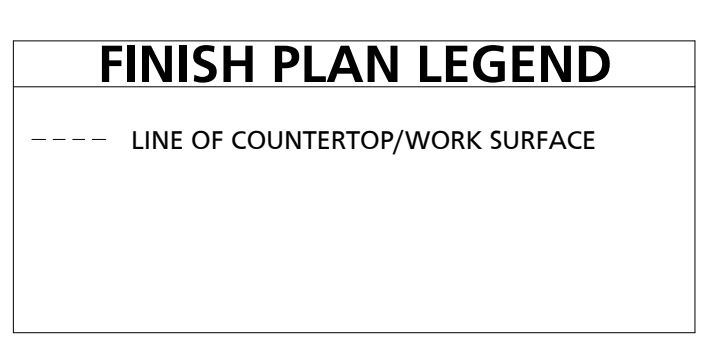
PROJECT NUMBER: 18-034
 PROJECT SET: PERMIT
 DATE ISSUED: 12/23/2019
 DRAWING TITLE: FINISH PLAN
 SHEET NUMBER: A106

MATERIAL FINISH KEY - INTERIOR					
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	COLOR SELECTION	BOD COMMENTS
B-1	4" RUBBER BASE - COLOR 1	JOHNSONITE	TRADITIONAL RUBBER BASE	DOCKSIDE	
B-2	4" RESINOUS COVE BASE	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
B-3	6x12 CERAMIC TILE COVE BASE	CROSSVILLE	BOHEMIA	BEATNIK	
CONC	SEALED CONCRETE	N/A	N/A	N/A	
CT-1	12x24 CERAMIC FLOOR TILE - COLOR 1	CROSSVILLE	BOHEMIA	N/A	
EPX-1	EPOXY PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
EPX-2	EPOXY PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	OSAGE ORAGE	
EPX-3	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	CITYSCAPE	
EPX-4	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
FT-#	FLOORING TRANSITION TYPE	N/A	N/A		SEE DETAIL 3/A107
HPC-1	HIGH-PERFORMANCE COATING - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETTRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSA-LOK	STAY IN LIME SW 9032	
MP-2	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRA-LOK	SLATE BLUE	
MP-2.1	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRA-LOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NEELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PT-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PT-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
RES-2	RESINOUS WALL COATING	DUREX	DYMAFLAKE	ARCTIC	
SS-1	SOLID SURFACE - COLOR 1	CORIAN	SOLID SURFACE	MINERAL	
SS-2	SOLID SURFACE - COLOR 2	FORMICA	SOLID SURFACE	BOTTLE GLASS QUARTZ 770	
SS-3	SOLID SURFACE - COLOR 3	CORIAN	SOLID SURFACE	DEEP CLOUD	
STAIN	CONCRETE STAIN & SEALER	MC CONCRETE	INFUSION	GOLD LEAF	SEE SPECIFICATIONS FOR STAIN & SEALER
ST STL	STAINLESS STEEL COUNTERTOP				PROVIDE PVC EDGE AND INTEGRAL BACKSPASH TRIM
SW-1	SLAT WALL	MARLITE	SLATWALL	WINDSOR	
WOM	20x20 WALK-OFF CARPET TILE	MOHAWK GROUP	TUFF STUFF II	COBALT	
WT-1	12x24 CERAMIC TILE - COLOR 1	CROSSVILLE	BOHEMIA	TINKER	

- ### GENERAL FINISH NOTES
- NOTE #**
- ALL CONCRETE SLAB CONTROL JOINTS SHALL BE FILLED FLUSH WITH URETHANE SEALANT.
 - ALL EXPOSED STRUCTURAL STEEL AND METAL DECK WITHIN INTAKE LOBBY 103, ADOPTION LOBBY 104 AND EDUCATION CENTER 105 SHALL BE COVERED IN HPC-1 WORKMANLIKE MANNER. AT A MINIMUM ALL WRING SHALL BE RUN THROUGH CONDUITS, PIPE AND DUCT INSULATION SHALL BE NEATLY INSTALLED AND PAINTABLE. ALL PENETRATIONS SHALL EITHER BE NEATLY COPED OR UTILIZE PAINTABLE ESCUTCHEONS/COVER PLATES. ALL PIPES AND DUCTS SHALL BE RUN EITHER PERPENDICULAR OR PARALLEL TO WALL CONSTRUCTION AND SHALL BE INSTALLED AT THE SAME NOMINAL ELEVATION OR SLOPE. ALL MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS. WHERE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS INDICATE OTHER REQUIREMENTS THE GREATER QUALITY SHALL PREVAIL.
 - CONCRETE CONTROL JOINTS NOT INDICATED. GC SHALL PROVIDE SHOP DRAWINGS OF CONTROL JOINTS FOR ALL LOCATIONS WITH SEALED AND STAINED CONCRETE FLOOR FINISHES.
 - REFER TO A700 SERIES FOR ADDITIONAL FINISH REQUIREMENTS.
 - REFER TO PROJECT MANUAL FOR ADDITIONAL FINISH REQUIREMENTS OUTLINED IN ALTERNATE 001: RESINOUS FLOOR EXTERNS

- ### REFERENCED NOTES - FINISH PLAN
- NO.**
- SAWCUT JOINT IN OPENING CENTERED BELOW DOOR LEAF TO SERVE AS TERMINATION OF CONCRETE FLOOR STAIN. FILL JOINT WITH TWO-COMPONENT SEMI-RIGID POLYUREA JOINT FILLER AFTER STAINING.
 - PROTECT ADJACENT CONCRETE FROM STAIN DURING APPLICATION OF CONCRETE FLOOR STAIN IN ADJACENT SPACE.

- ### CONCRETE SLAB NOTES:
- WHERE SEALED CONCRETE FLOOR FINISH IS INDICATED, OTHER THAN IN STORAGE AND UTILITY SPACES, GENERAL CONTRACTOR SHALL TAKE MEASURES TO PROTECT SLAB FROM STAINS, MARKS AND DISCOLORATIONS THAT WILL BE VISIBLE AFTER APPLICATION OF SEALER.
 - DO NOT MAKE INDELEIBLE MARKS ON PORTIONS OF SLAB THAT WILL BE VISIBLE INCLUDING BUT NOT LIMITED TO PERMANENT MARKER, PAINT, ETCHED LINES OR PINS.
 - DO NOT PERFORM FABRICATION OR CUTTING OPERATIONS DIRECTLY ON UNPROTECTED CONCRETE. SUCH ACTIVITIES INCLUDE PIPE CUTTING AND THREADING, CUTTING OF FERROUS METALS, OR OPERATIONS WHERE OILS, SOLVENTS OR STAINING FLUIDS WILL MAKE CONTACT WITH SLAB.
 - PROTECT SLAB FROM SOILING AND DAMAGE WITH WATERPROOF COVERINGS AND PROTECTION BOARDS.
 - REMOVE ALL STAINS, MARKINGS, DISCOLORATIONS AND VISIBLE SOILS FROM CONCRETE BEFORE APPLYING SEALER.
 - CONTROL JOINTS NOT INDICATED. GC SHALL PROVIDE SHOP DRAWINGS OF CONTROL JOINT LOCATIONS FOR ALL LOCATIONS WITH SEALED CONCRETE FLOOR FINISHES.
 - FOOTING BELOW BEARING WALLS SHOWN DASHED
 - SLAB EXPANSION AND ISOLATION JOINTS NOT SHOWN.
 - REFER TO DETAILS FOR ALL SLAB EDGE CONDITIONS.
 - IMPROPERLY PROTECTED CONCRETE SURFACES THAT INHIBIT PROPER ABSORPTION OF STAIN INDICATED, OR THAT EXHIBIT IMPERFECTIONS DUE TO IMPROPER PROTECTION SHALL BE REJECTED BY THE ARCHITECT AND REPAIRED OR COMPLETELY REPLACED BY THE GENERAL CONTRACTOR AT THEIR EXPENSE. REPAIRS WILL BE LIMITED TO THE GRINDING AND POLISHING OF SLAB IN PLACE TO EXPOSE A UNIFORM TEXTURE, UNIFORMLY OPEN AND POROUS SURFACE FREE OF CONTAMINANTS AND MARKING, READY TO UNIFORMLY RECEIVE RE-APPLICATION OF STAIN.



1 FINISH PLAN
 1/8" = 1'-0"

ALL DRAWINGS ARE PROTECTED BY FEDERAL COPYRIGHT BY MANNS WOODWARD STUDIOS, INC. AND CAN NOT BE REPRODUCED OR MODIFIED IN ANY MANNER WITHOUT WRITTEN PERMISSION. DOCUMENTS MAY NOT BE USED IN PART OR WHOLE TO DEVELOP THE DESIGN OF ANOTHER BUILDING WITHOUT EXPRESS WRITTEN PERMISSION BY MANNS WOODWARD STUDIOS.

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 06-18-2025

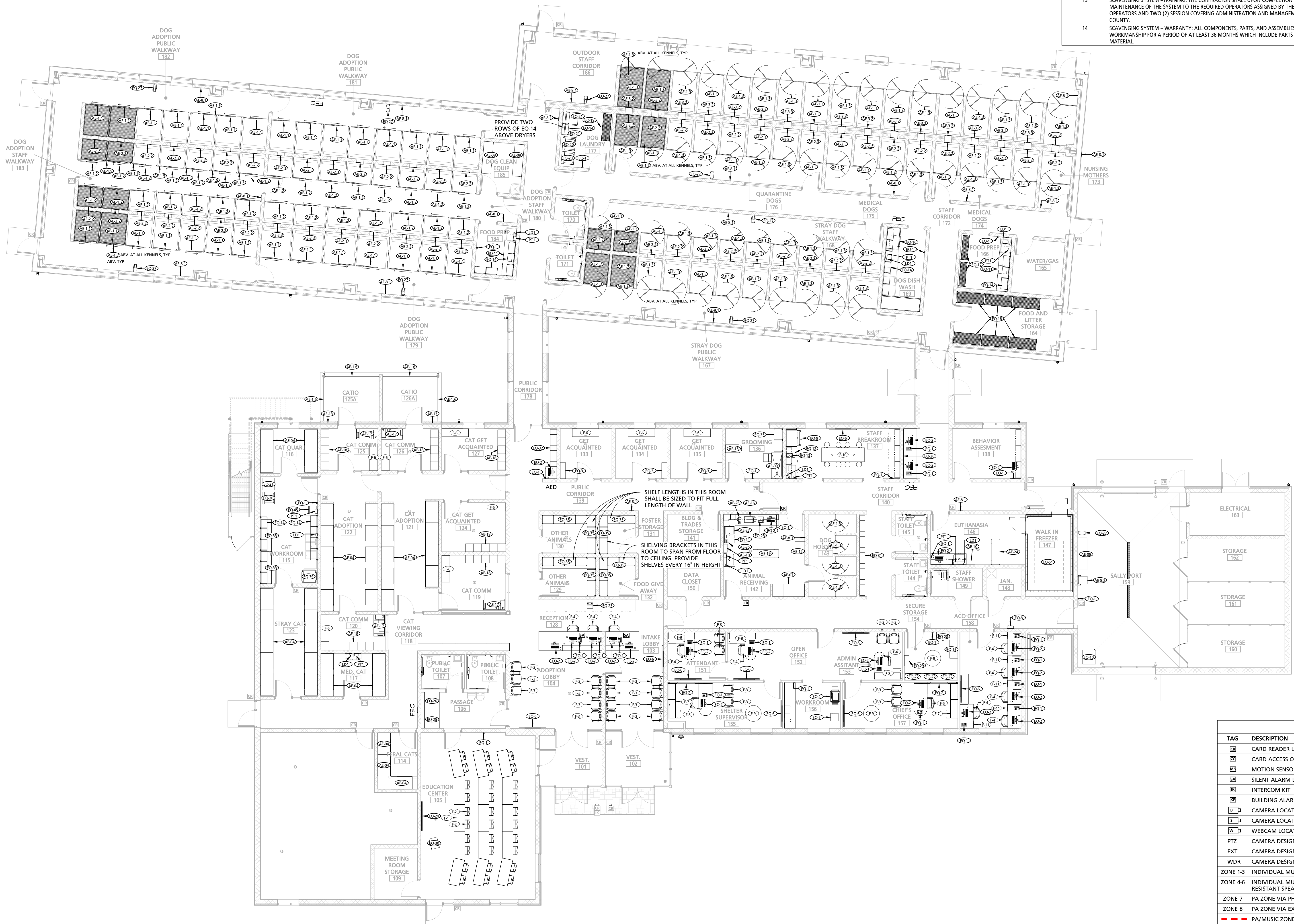


CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

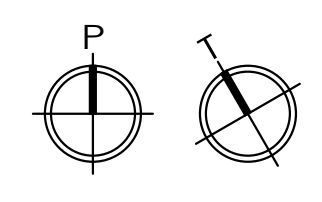
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
FFE PLAN
SHEET NUMBER:
A108

NOTE #	NOTE
1	BASIS OF DESIGN FURNITURE VENDOR IS LIBRARY INTERIORS, CALIFORNIA, MD. THE PRODUCT AND COMPANY WERE USED FOR COORDINATION OF SYSTEM COMPONENTS AND FUNCTIONALITY FOR THIS PROJECT. IF AN ALTERNATIVE VENDOR AND COMPONENTS ARE ENGAGED, THE SYSTEM VENDOR AND ALL COMPONENTS AND FUNCTIONALITY SHALL BE APPROVED BY THE OWNER. WHERE ALTERNATE VENDOR AND COMPONENTS ARE ACCEPTED BY THE OWNER, THE CONTRACTOR AND ALTERNATE VENDOR SHALL BE RESPONSIBLE TO COMPLETE AND PAY FOR ANY COORDINATION, REDESIGN, REENGINEERING, ALTERATIONS, OR OTHER SUCH WORK AND/OR MATERIAL REQUIRED TO ACCOMMODATE SUCH ALTERNATE SYSTEM AND COMPONENTS.
2	COORDINATE EQUIPMENT WITH GROMMETS & OPENINGS IN CASEWORK
3	REFER TO A700 SERIES - ENLARGED PLANS & INTERIOR ELEVATIONS FOR FURTHER INFORMATION
4	NOT ALL ITEMS SHOWN IN SCHEDULE MAY BE DISPLAYED ON THIS SHEET
5	ALL TELEVISIONS ARE TO BE WALL MOUNTED. AT STUD WALLS, PROVIDE 36" X 36" X 3/4" THICK PLYWOOD BLOCKING. COORDINATE WITH OWNER FOR MOUNTING HEIGHTS
6	COORDINATE ALL ELECTRICAL, PLUMBING, MECHANICAL, & TELECOM REQUIRED FOR EQUIPMENT WITH MEP DRAWINGS & MANUFACTURER REQUIREMENTS
7	GC SHALL INSTALL MIN. 3/4" PLYWOOD BLOCKING FOR ALL GWB WALL HUNG ITEMS SHOWN IN DRAWINGS, INCLUDING BUT NOT LIMITED TO ITEMS N.I.C. OR PROVIDED BY OWNER
8	BASIS OF DESIGN ANIMAL EQUIPMENT IS NOTED IN THE DOCUMENTATION. THE PRODUCTS AND COMPANIES WERE USED FOR COORDINATION OF SYSTEM COMPONENTS AND FUNCTIONALITY FOR THIS PROJECT. IF AN ALTERNATIVE VENDOR AND COMPONENTS ARE ENGAGED, THE SYSTEM VENDOR AND ALL COMPONENTS AND FUNCTIONALITY SHALL BE APPROVED BY THE OWNER. WHERE ALTERNATE VENDOR AND COMPONENTS ARE ACCEPTED BY THE OWNER, THE CONTRACTOR AND ALTERNATE VENDOR SHALL BE RESPONSIBLE TO COMPLETE AND PAY FOR ANY COORDINATION, REDESIGN, REENGINEERING, ALTERATIONS, OR OTHER SUCH WORK AND/OR MATERIAL REQUIRED TO ACCOMMODATE SUCH ALTERNATE SYSTEM AND COMPONENTS.
9	SEE A700 SERIES FOR TYPICAL EQUIPMENT DETAILS.
10	SEE S5100 - SPECIALTY SYSTEMS FOR FURTHER INFORMATION.
11	SCAVENGING SYSTEM - DELEGATED DESIGN: THESE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES TO RELAY THE DESIGN INTENT. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND DESIGN-BUILD SERVICES NECESSARY FOR DESIGN AND CONSTRUCTION OF FULLY FUNCTIONING SCAVENGING SYSTEM. CONTRACTOR SHALL COORDINATE SYSTEM COMPONENTS AND FUNCTIONALITY WITH THE CLIENT. GC SHALL PROVIDE PERMIT, WIRE, WIRING, SYSTEM INSTALLATION, REQUIRED POWER, AND OUTLETS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING CODE COMPLIANT SYSTEM.
12	SCAVENGING SYSTEM - GENERAL: FURNISH AND INSTALL A COMPLETE TURN-KEY SYSTEM WITH THE PERFORMANCE CRITERIA OUTLINED. THE SYSTEM SHALL BE INCLUSIVE OF ALL NECESSARY FUNCTIONS, MONITORING, CONTROL CAPABILITY, AND EQUIPMENT AS REQUIRED TO PROVIDE A FULLY FUNCTIONING SYSTEM. PROVISION OF THE POWER SUPPLY SHALL BE UNDER THE SCOPE OF THIS SUB-CONTRACT. COORDINATE WITH THE ELECTRICAL DRAWINGS FOR AVAILABLE POWER VIA SPARES PROVIDED AND THE REQUIRED CONNECTION TO THE GENERATOR AND THE ASSOCIATED ELECTRICAL PANEL.
13	SCAVENGING SYSTEM - TRAINING: THE CONTRACTOR SHALL UPON COMPLETION OF THE INSTALLATION PROVIDE COMPLETE TRAINING WITH DOCUMENTATION ON THE CONFIGURATION, OPERATION, AND MAINTENANCE OF THE SYSTEM TO THE REQUIRED OPERATORS ASSIGNED BY THE COUNTY. AT LEAST TWO (2) TRAINING SESSIONS COVERING SYSTEM OPERATIONS SHALL BE PLANNED AND PROVIDED TO OPERATORS AND TWO (2) SESSIONS COVERING ADMINISTRATION AND MANAGEMENT FOR ADMINISTRATORS. TRAINING SESSIONS SHALL BE RECORDED AND A DVD COPY SHALL BE PROVIDED TO THE COUNTY.
14	SCAVENGING SYSTEM - WARRANTY: ALL COMPONENTS, PARTS, AND ASSEMBLIES SUPPLIED AND INSTALLED BY THE CONTRACTOR SHALL BE WARRANTED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF AT LEAST 36 MONTHS WHICH INCLUDE PARTS AND LABOR. CONTRACTOR TO PROVIDE A COPY OF THE MANUFACTURER'S WARRANTY FOR ALL EQUIPMENT AND MATERIAL.



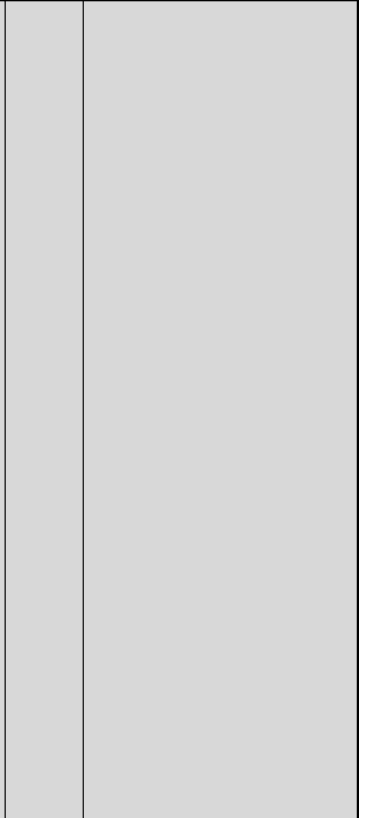
TAG	DESCRIPTION	COMMENTS
Ⓜ	CARD READER LOCATION	
Ⓜ	CARD ACCESS CONTROLLER & COMPONENTS	
Ⓜ	MOTION SENSORS IN THIS AREA	NUMBER OF SENSORS TO BE DETERMINED BY GC/VENDOR
Ⓜ	SILENT ALARM LOCATION	
Ⓜ	INTERCOM KIT	DOOR BELL TO PLAY THROUGH ALL SPEAKERS AND PHONES
Ⓜ	BUILDING ALARM KEYPAD LOCATION	
Ⓜ	CAMERA LOCATION - BUILDING SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
Ⓜ	CAMERA LOCATION - SHELTER SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
Ⓜ	WEBCAM LOCATION	OWNER PROVIDED, CONTRACTOR INSTALL
PTZ	CAMERA DESIGNATION - PAN TILT ZOOM	MAKE/MODEL: AXIS M3045V
EXT	CAMERA DESIGNATION - EXTERIOR	MAKE/MODEL: AXIS M3225LVE
WDR	CAMERA DESIGNATION - WIDE DYNAMIC RANGE	MAKE/MODEL: AXIS M3105-L
ZONE 1-3	INDIVIDUAL MUSIC & PA ZONES VIA INTERIOR SPEAKERS	
ZONE 4-6	INDIVIDUAL MUSIC & PA ZONES VIA MOISTURE RESISTANT SPEAKERS	
ZONE 7	PA ZONE VIA PHONES - NO MUSIC	PHONES ARE OWNER PROVIDED AND INSTALLED
ZONE 8	PA ZONE VIA EXTERIOR SPEAKERS - NO MUSIC	
---	PA/MUSIC ZONE BOUNDARY	

1 FFE PLAN
1/8" = 1'-0"



SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 05-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

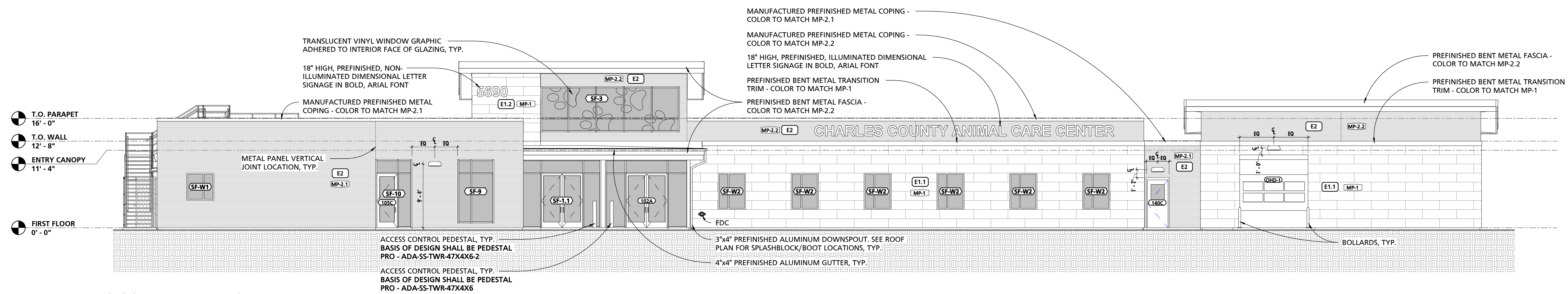
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

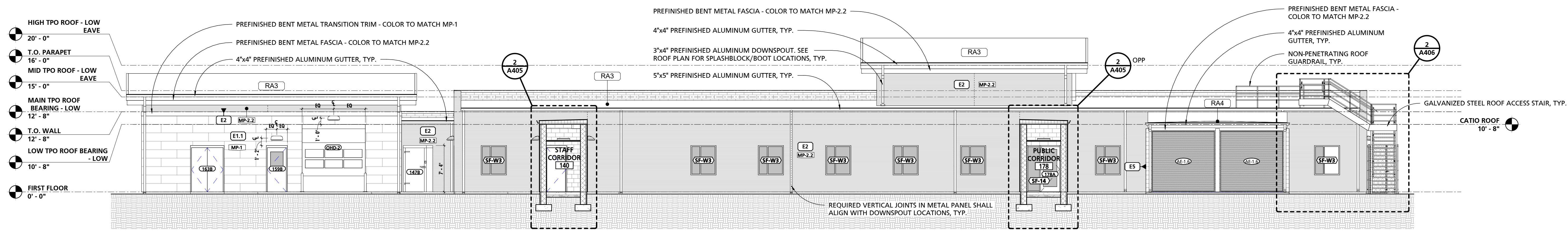
DRAWING TITLE:
BUILDING ELEVATIONS -
MAIN WING

SHEET NUMBER:
A200

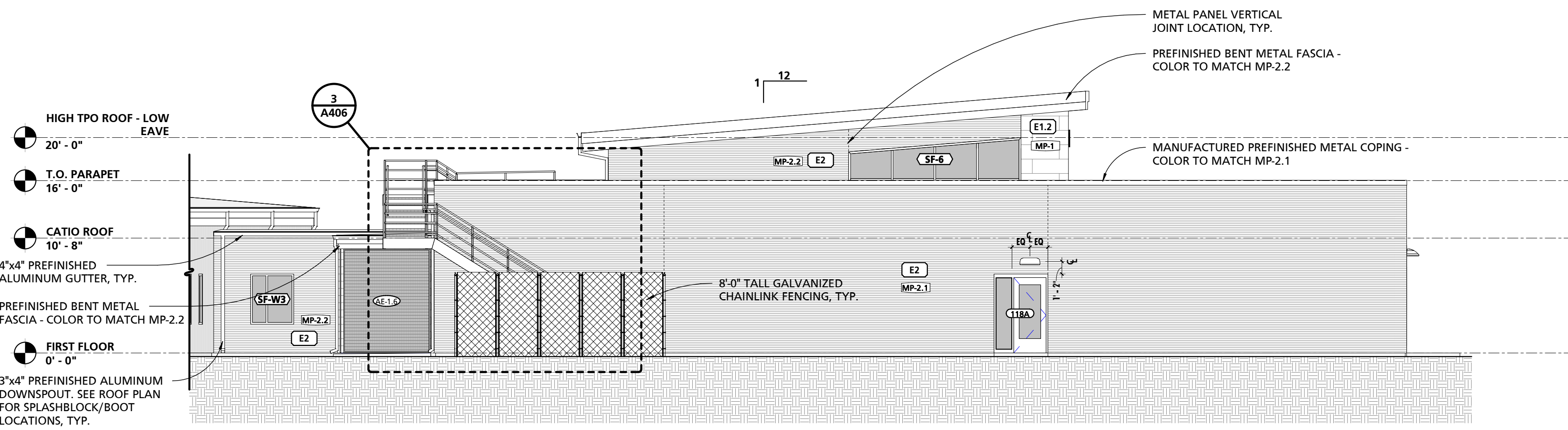
12/20/2019 9:31:24 AM



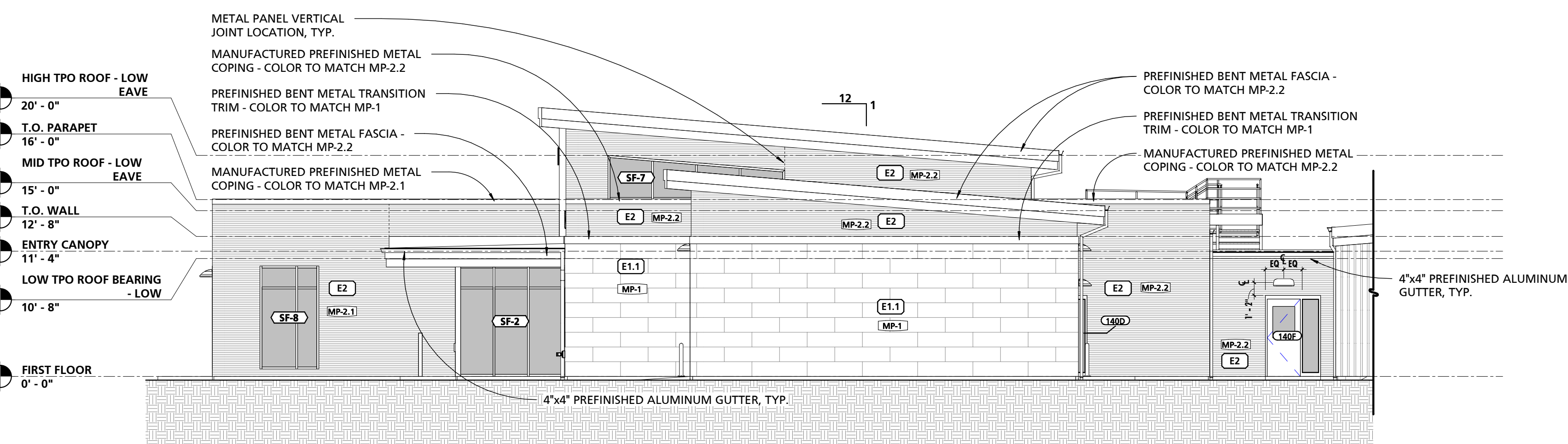
1 MAIN WING SOUTH ELEVATION
1/8" = 1'-0"



2 MAIN WING NORTH ELEVATION
1/8" = 1'-0"



3 MAIN WING WEST ELEVATION
1/8" = 1'-0"



4 MAIN WING EAST ELEVATION
1/8" = 1'-0"

MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	8" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	17"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

NOTE #	NOTE
1	SEE OTHER ELEVATIONS FOR TYPICAL NOTES.
2	SEE FINISH MATERIAL KEY ON SHEET A107 FOR EXTERIOR METAL PANEL COLOR DESIGNATIONS.
3	REFER TO A500 ROOF PLAN FOR GUTTER SIZING, DOWNSPOUT SIZING AND SPLASHBLOCK/BOOT LOCATIONS.
4	REFER TO A107 FINISH SCHEDULE & DETAILS FOR FINISH MATERIAL KEY.

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

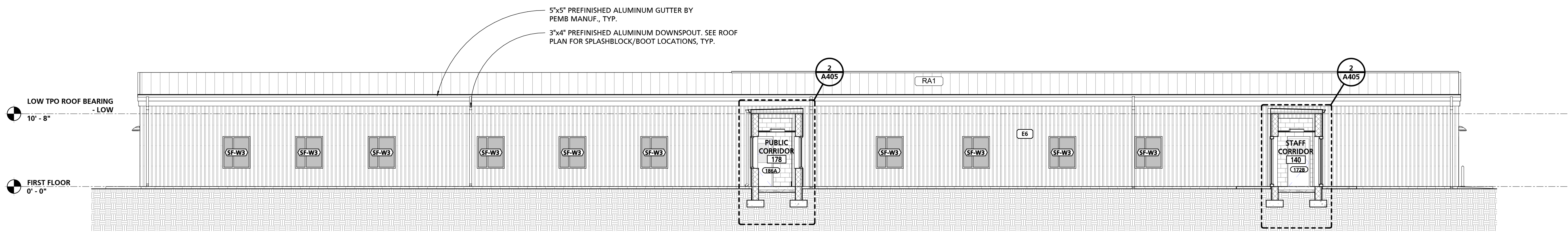
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

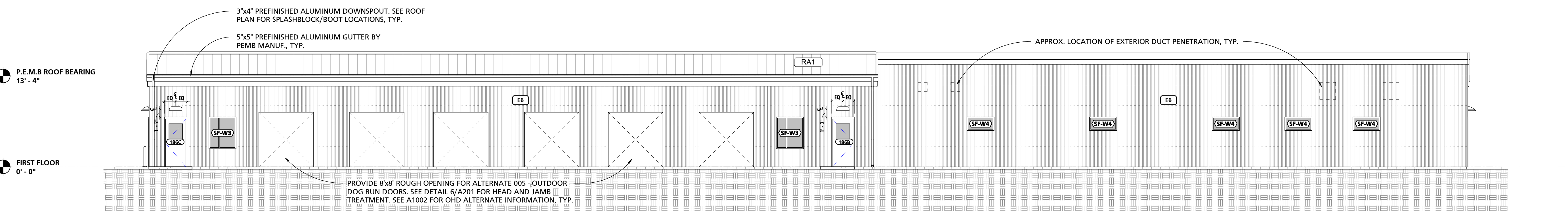
DRAWING TITLE:
BUILDING ELEVATIONS -
DOG WING

SHEET NUMBER:
A201

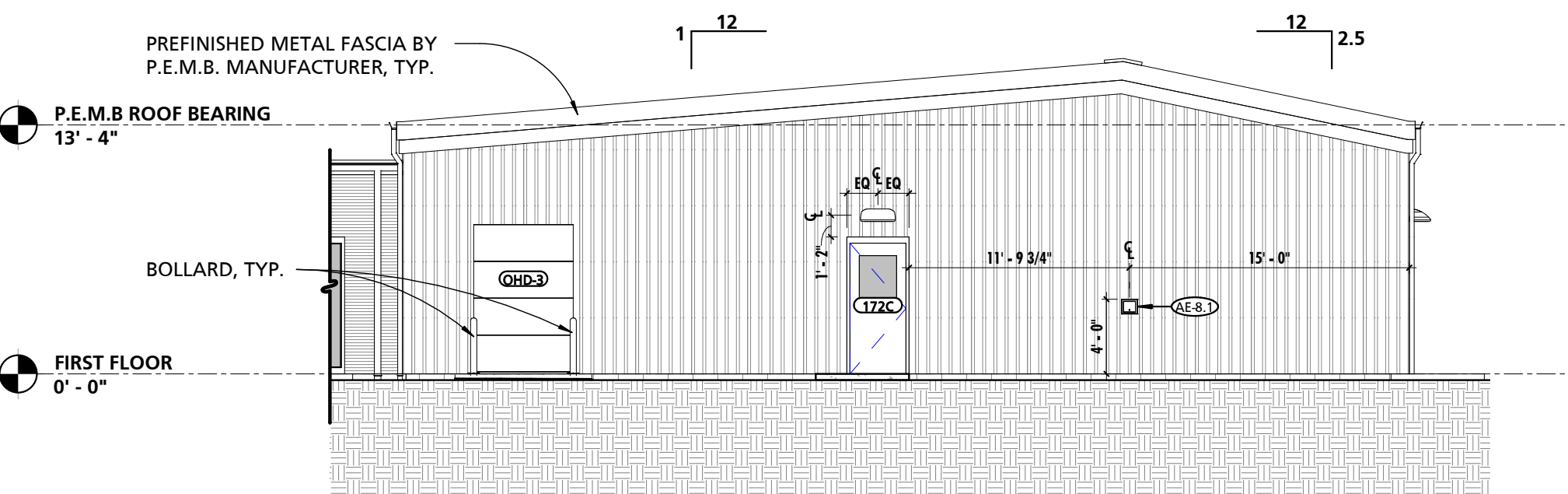
12/20/2019 9:31:29 AM



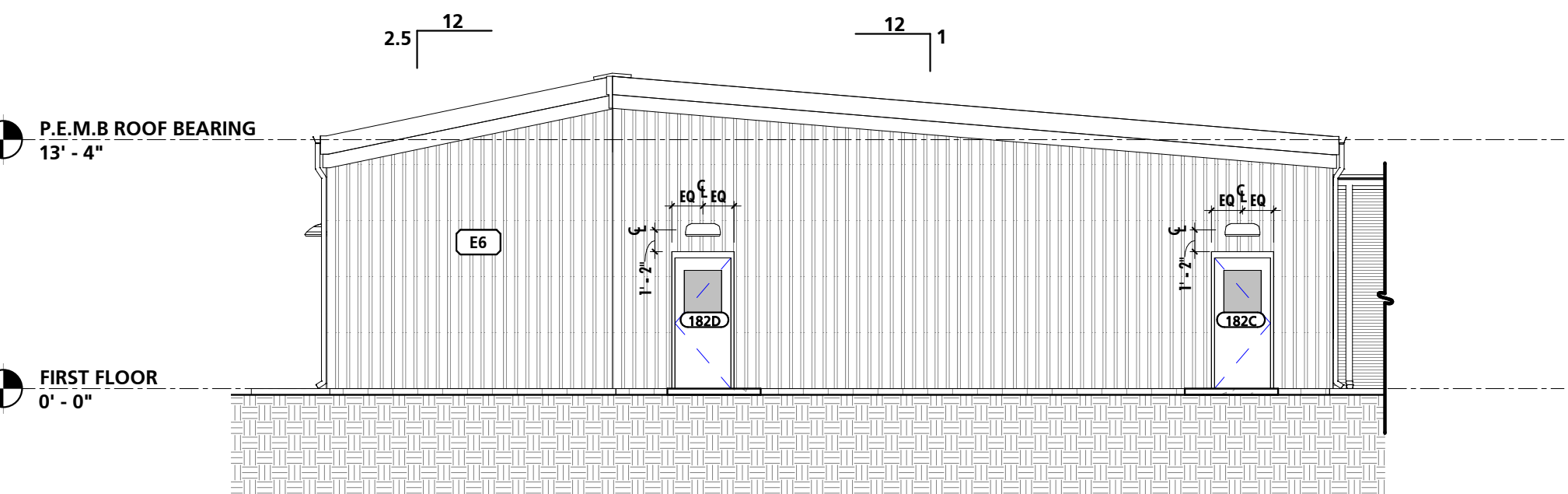
1 DOG WING SOUTH ELEVATION
1/8" = 1'-0"



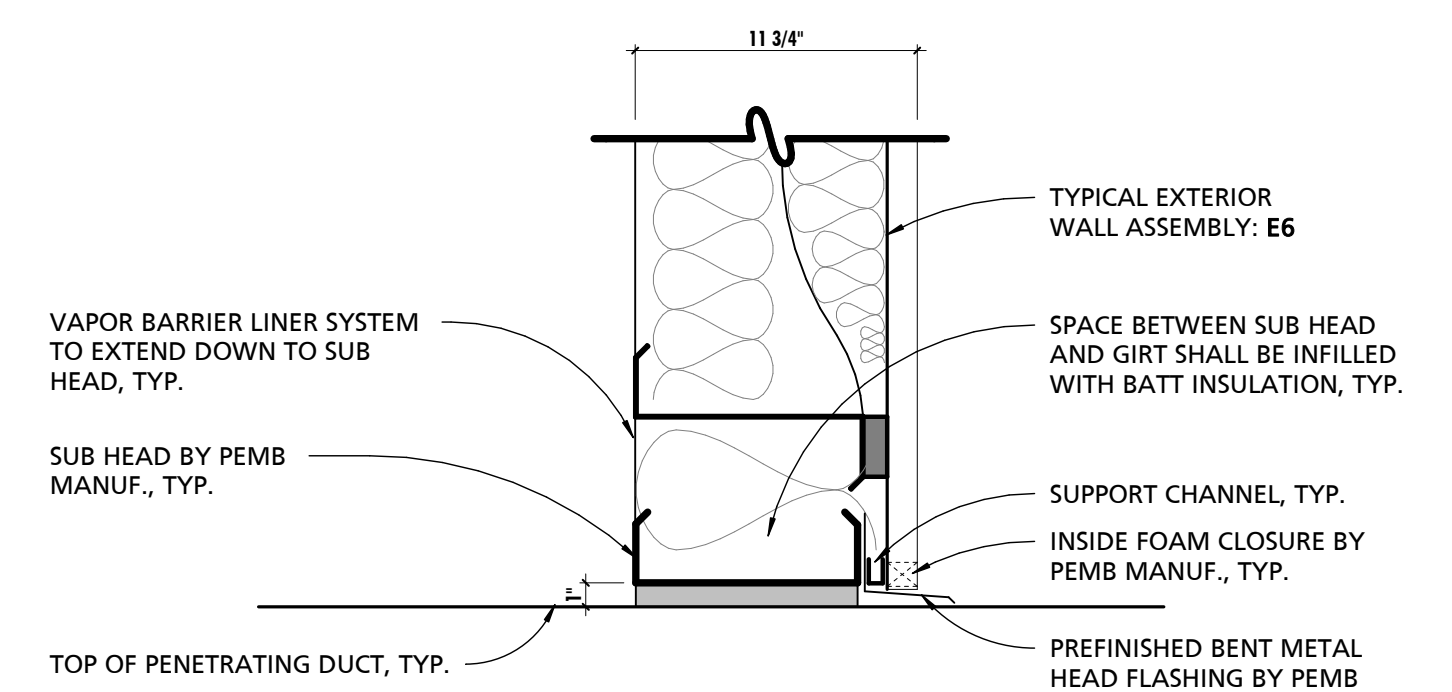
2 DOG WING NORTH ELEVATION
1/8" = 1'-0"



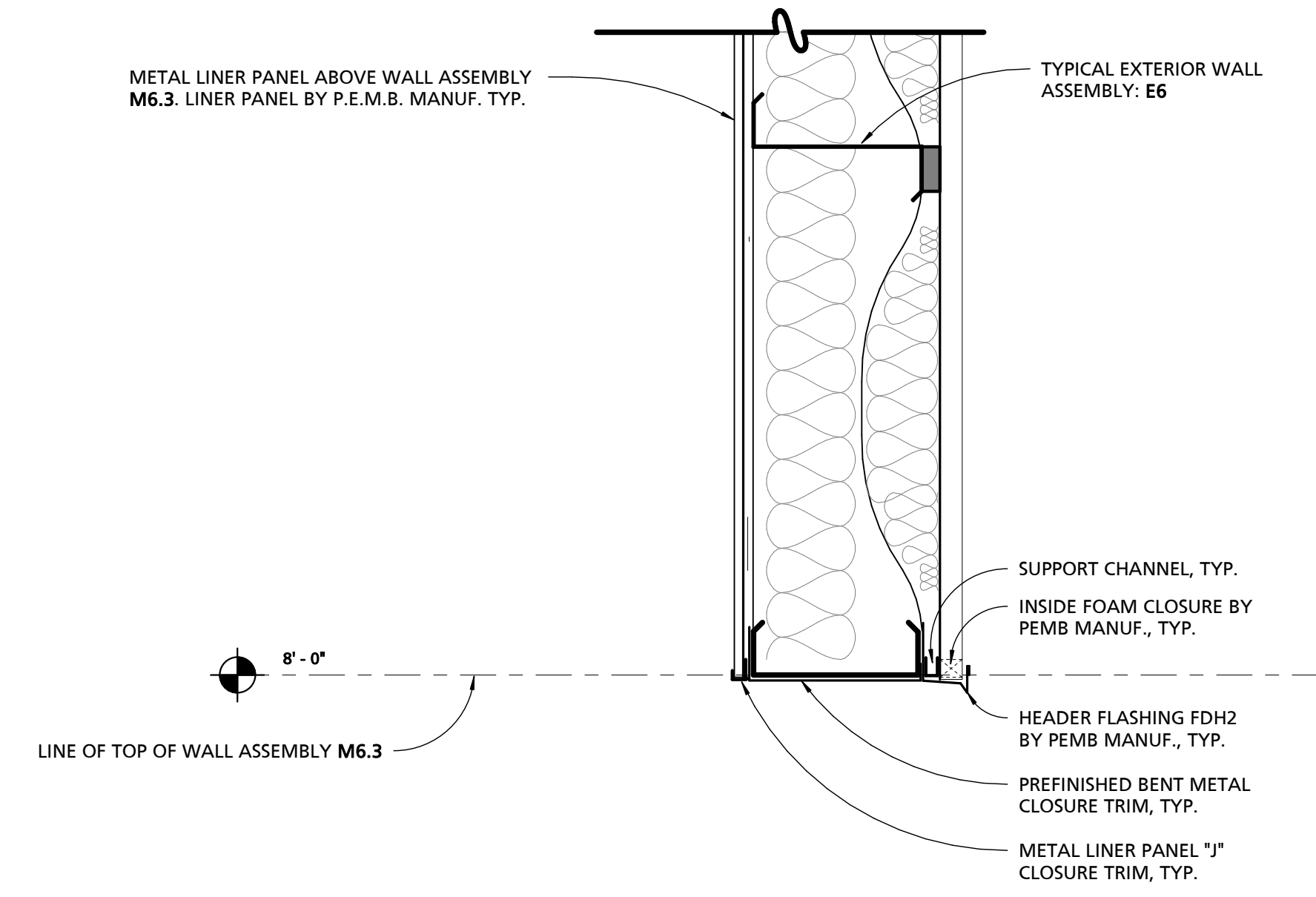
3 DOG WING EAST ELEVATION
1/8" = 1'-0"



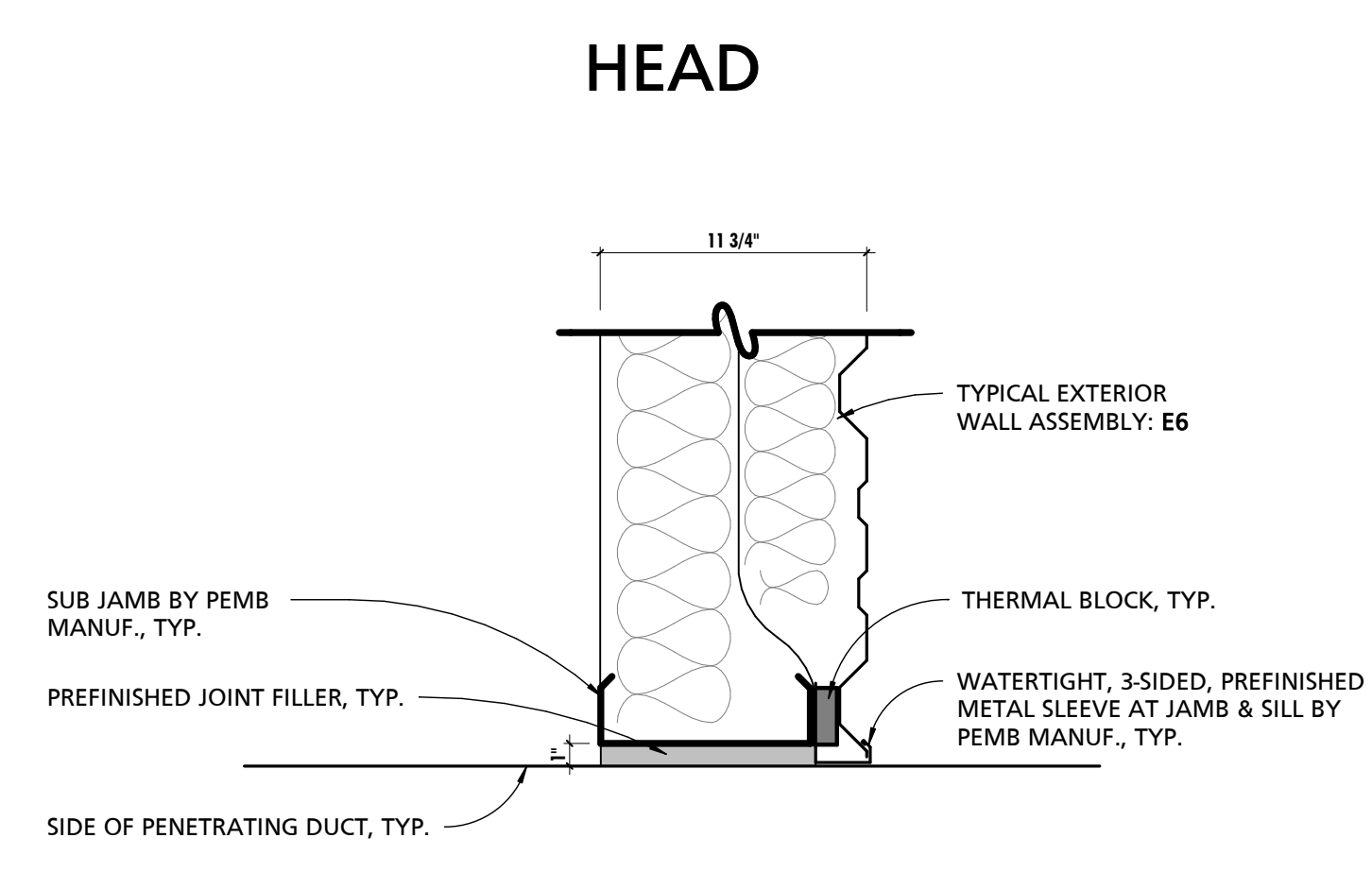
4 DOG WING WEST ELEVATION
1/8" = 1'-0"



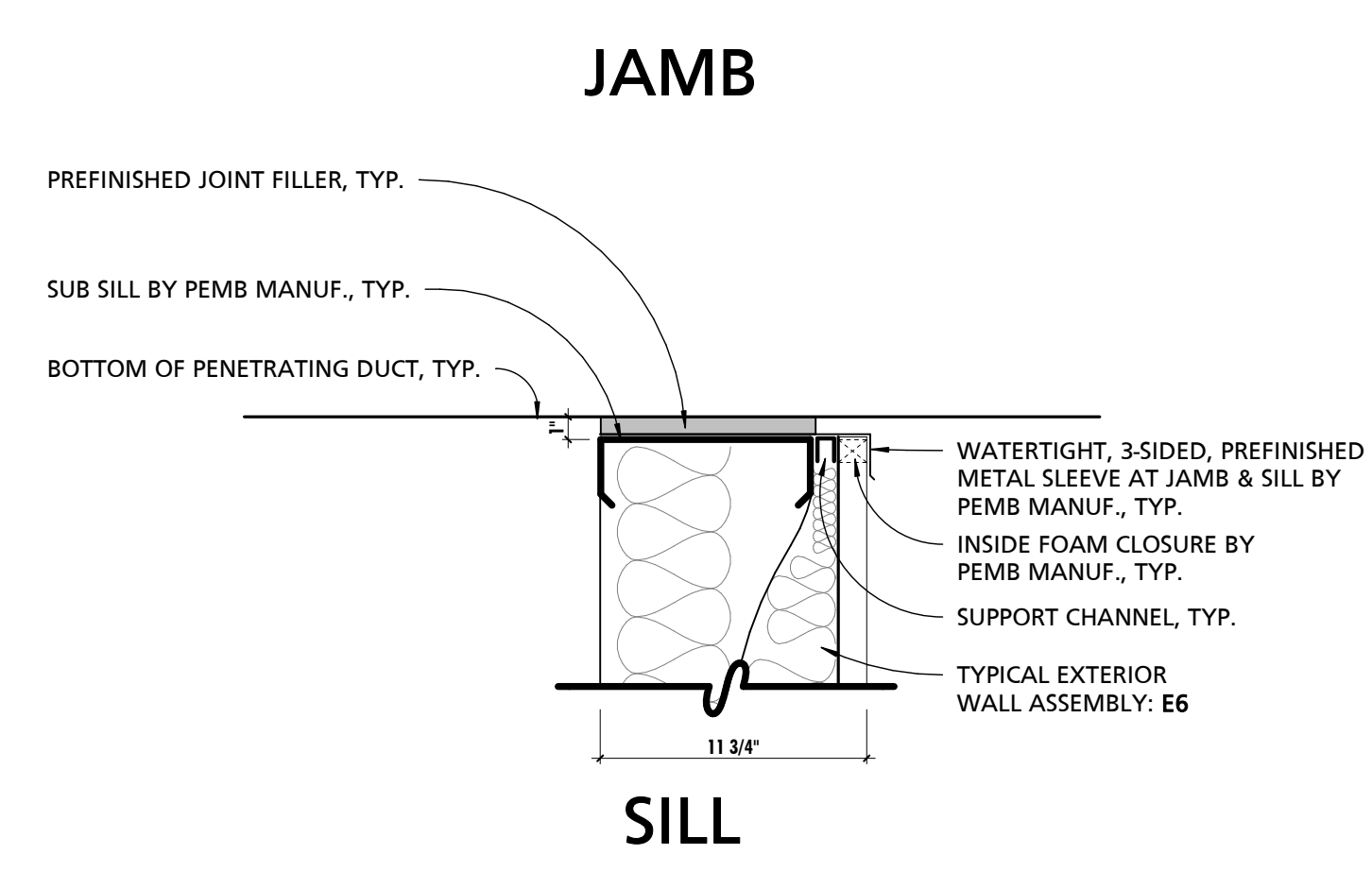
5 EXTERIOR DUCT PENETRATION DETAIL
1 1/2" = 1'-0"



6 PEMB ROUGH OPENING DETAIL
1 1/2" = 1'-0"



JAMB



SILL

EXTERIOR WALL ASSEMBLY SCHEDULE		
MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	8" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	17"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

ROOF ASSEMBLY SCHEDULE		
MARK	DESCRIPTION	
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM	
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK	
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK	
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK	

GENERAL ELEVATION NOTES	
NOTE #	NOTE
1	SEE OTHER ELEVATIONS FOR TYPICAL NOTES.
2	SEE FINISH MATERIAL KEY ON SHEET A107 FOR EXTERIOR METAL PANEL COLOR DESIGNATIONS.
3	REFER TO A500 ROOF PLAN FOR GUTTER SIZING, DOWNSPOUT SIZING AND SPLASHBLOCK/BOOT LOCATIONS.
4	REFER TO A107 FINISH SCHEDULE & DETAILS FOR FINISH MATERIAL KEY.

FOUNDATION WALL ASSEMBLY SCHEDULE		
MARK	WIDTH	DESCRIPTION
F1	11 5/8"	10" CMU W/ DAMPROOFING, 2" RIGID INSULATION AND FIBERGLASS REINFORCED PLASTIC INSULATION PROTECTION WRAP
F2	17 1/8"	6" CMU W/ DAMPROOFING, 2" RIGID INSULATION, 1 7/8" AIR SPACE AND 8" CMU

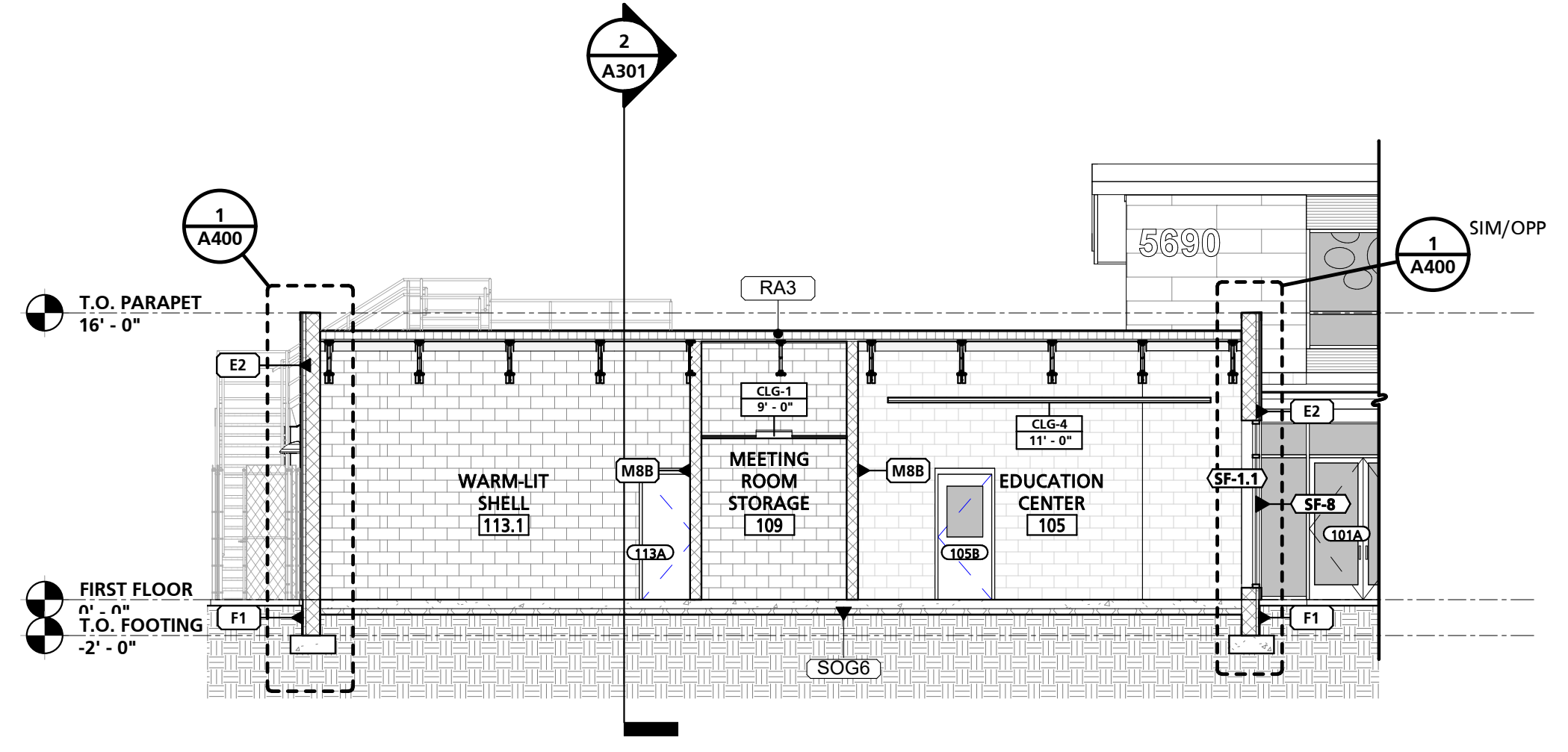
EXTERIOR WALL ASSEMBLY SCHEDULE		
MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	8" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	17"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

INTERIOR WALL ASSEMBLY SCHEDULE					
MARK	WIDTH	DESCRIPTION	FIRE RATING		
			RATING	ASSEMBLY REF	STC RATING
M4	3 5/8"	4" CMU - HEIGHT VARIES			
M4.3	3 5/8"	4" CMU TO EXTEND 8" - 0" A.F.F.			
M4A	3 5/8"	4" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M6.1	5 5/8"	6" CMU TO EXTEND 5" - 4" A.F.F.			
M6.2	5 5/8"	6" CMU TO EXTEND 6" - 8" A.F.F.			
M6.3	5 5/8"	6" CMU TO EXTEND 8" - 0" A.F.F.			
M6A	5 5/8"	6" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M8.1	7 5/8"	8" CMU TO EXTEND 6" - 8" A.F.F.			
M8.2	7 5/8"	8" CMU TO EXTEND 10" - 0" A.F.F.			
M8A	7 5/8"	8" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M8B	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M8R1	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M10B	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M10R1	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M16B	15 5/8"	16" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P4A	4 1/4"	3 5/8" METAL STUD W/ 5/8" GWB ONE SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE - HEIGHT VARIES			
P7A	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7B	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P8A	7 1/4"	6" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			

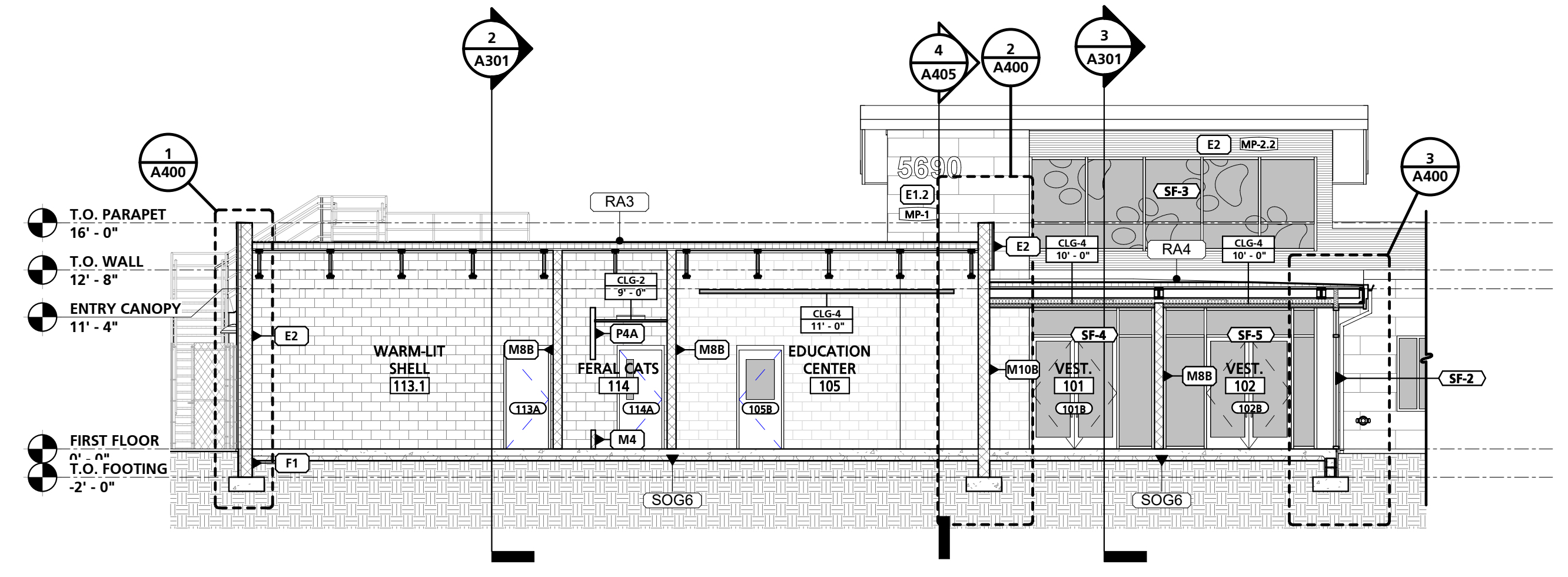
FLOOR ASSEMBLY SCHEDULE		
MARK	DESCRIPTION	COMMENTS
CTS4	4" CONCRETE SLAB	
SOG6	6" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	
SOG8	8" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	TYPICAL DOG WING SLAB

ROOF ASSEMBLY SCHEDULE	
MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

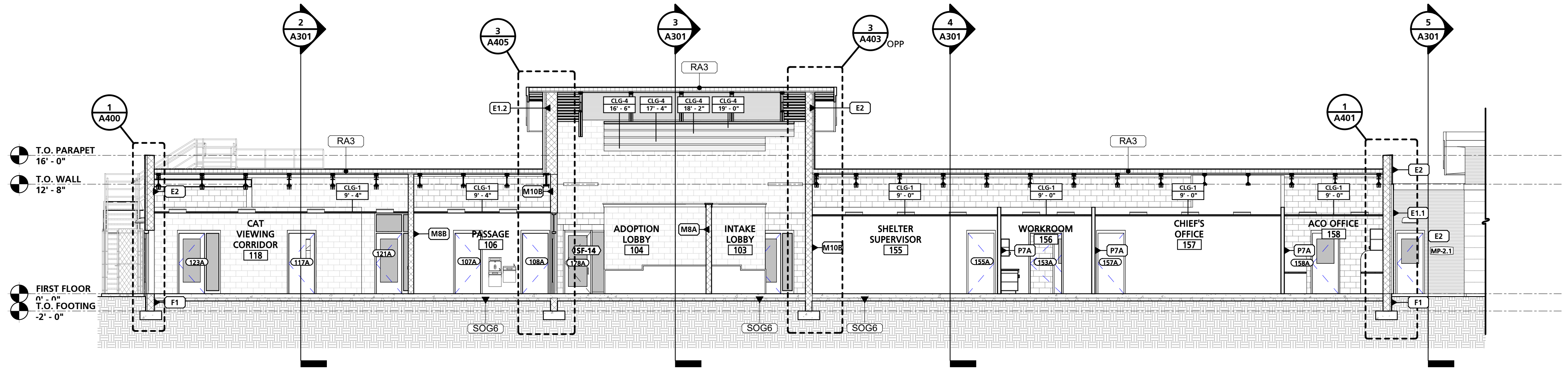
GENERAL BUILDING SECTION NOTES	
NOTE #	NOTE
1	BUILDING SECTIONS ARE INTENDED TO SHOW OVERALL RELATIONSHIPS OF SPACES, OVERALL ASSEMBLIES, AND THE GEOMETRY OF THE BUILDING. SEE REFERENCED WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.



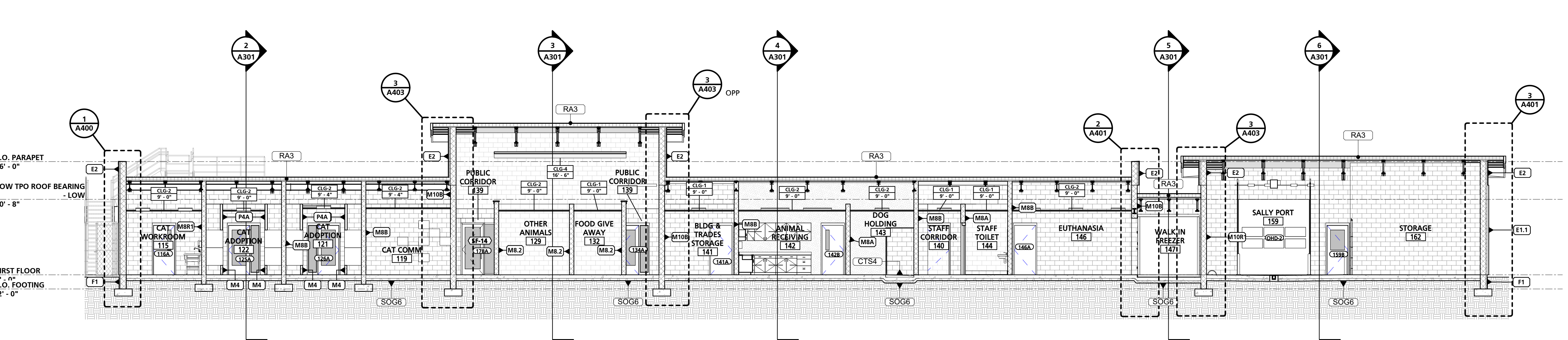
1 TYPICAL BUILDING SECTION
1/8" = 1'-0"



2 TYPICAL BUILDING SECTION
1/8" = 1'-0"



3 TYPICAL BUILDING SECTION
1/8" = 1'-0"



4 TYPICAL BUILDING SECTION
1/8" = 1'-0"

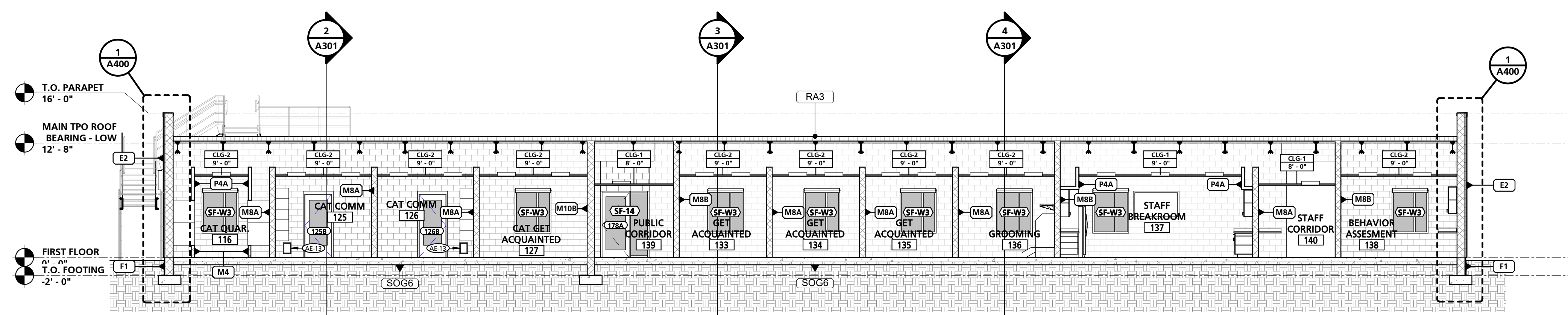
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 06-18-2025



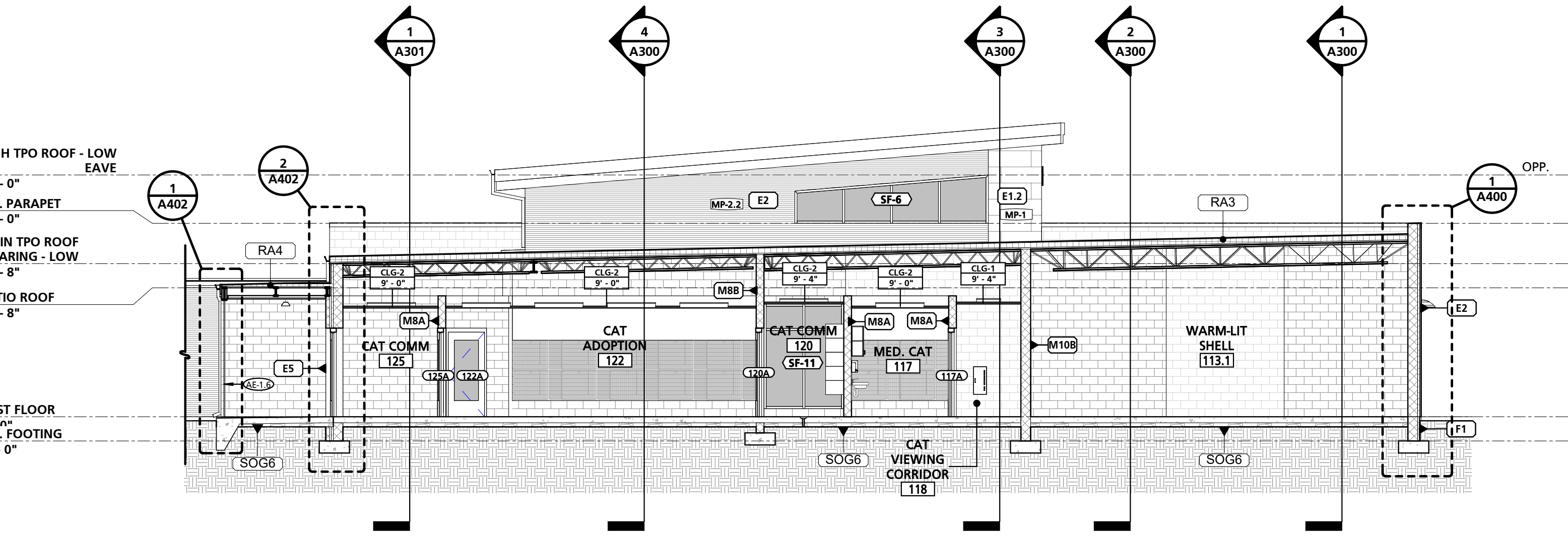
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

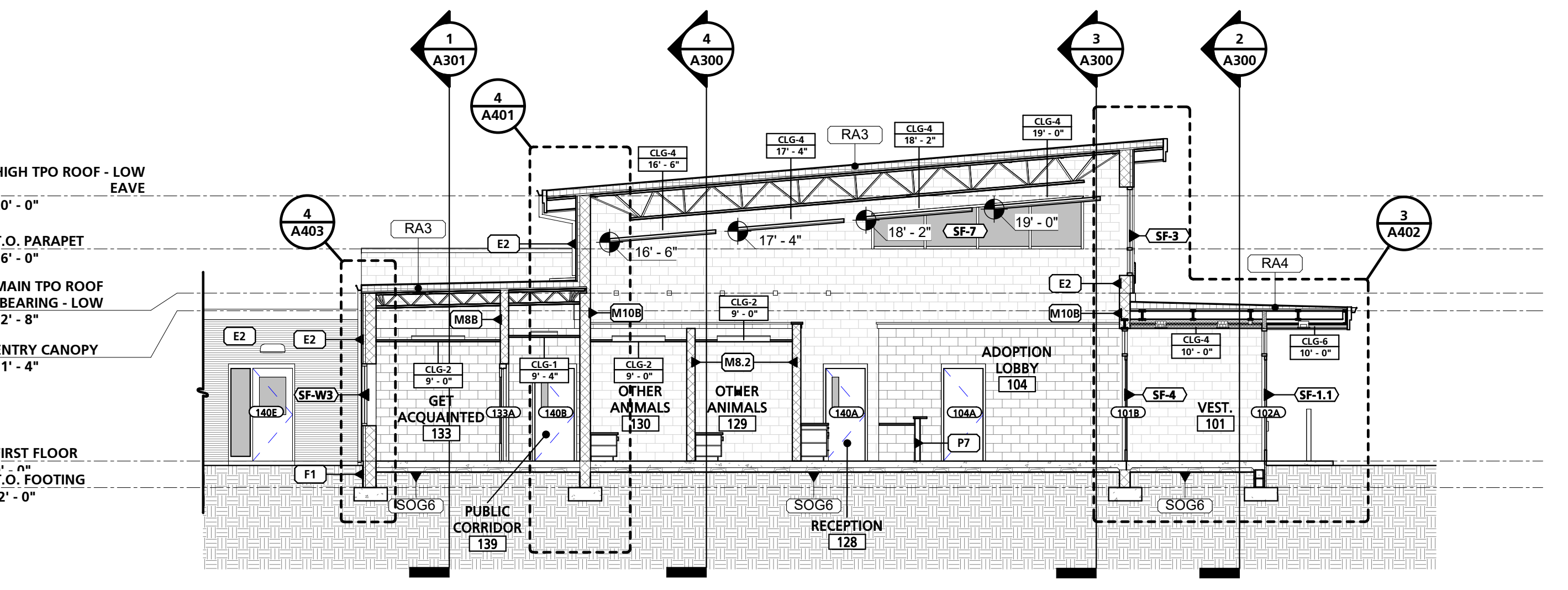
PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: BUILDING SECTIONS - MAIN WING
SHEET NUMBER: A300



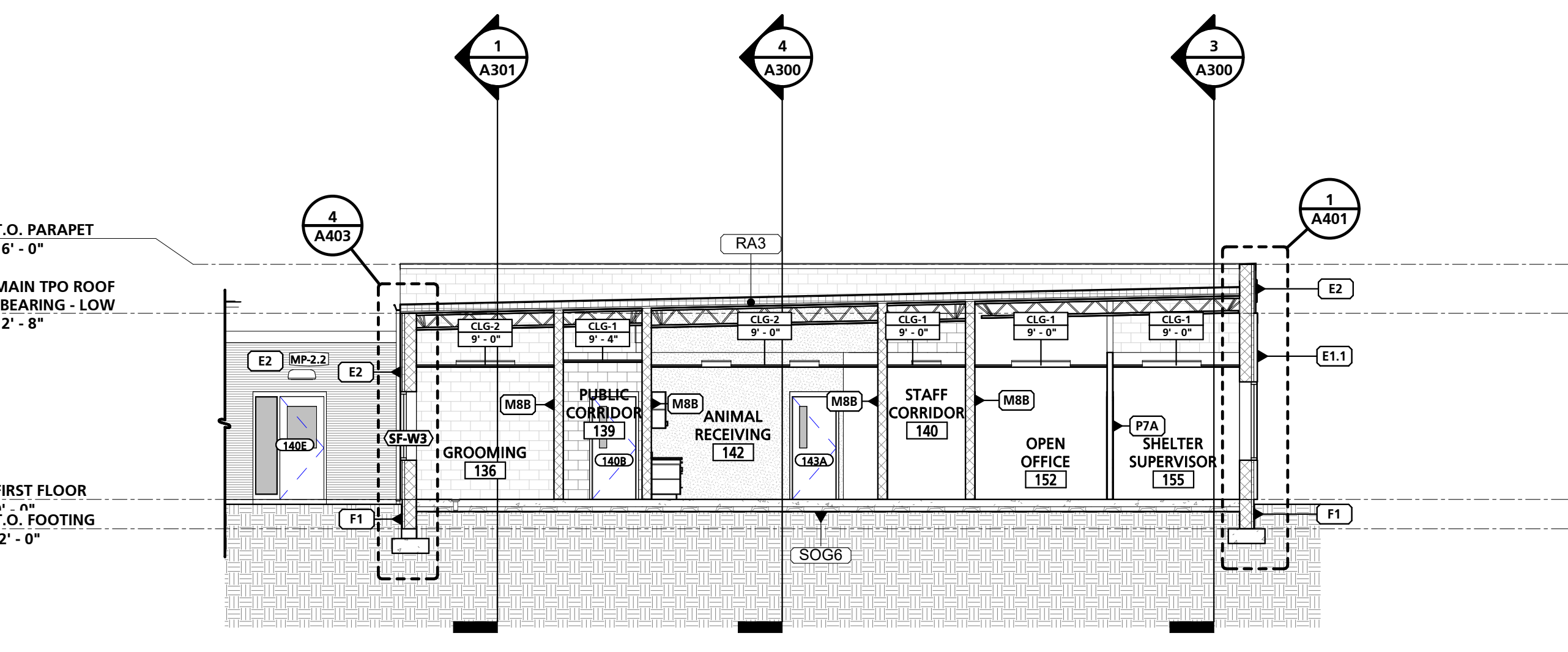
1
1/8" = 1'-0"



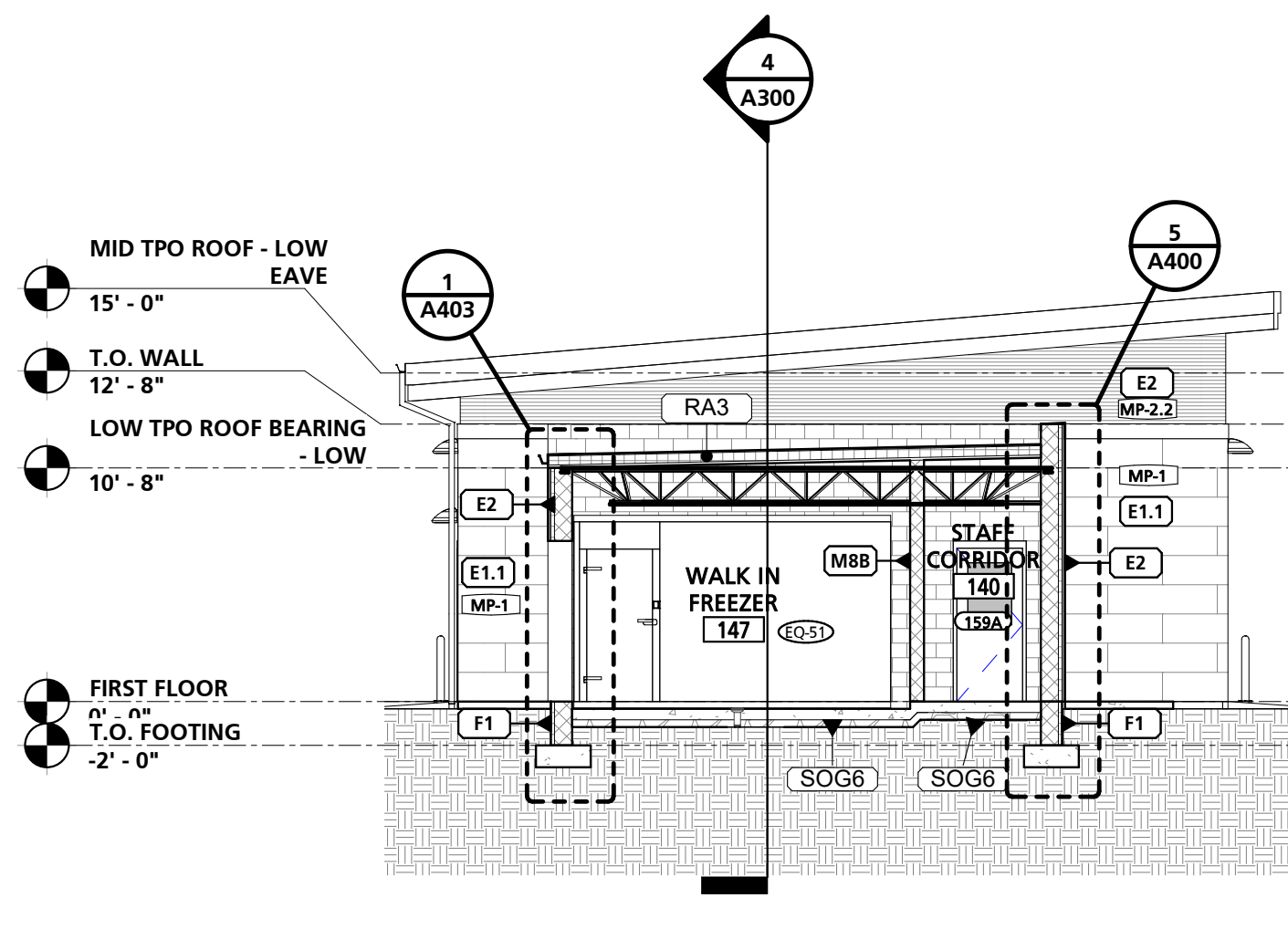
2
1/8" = 1'-0"



3
1/8" = 1'-0"



4
1/8" = 1'-0"



5
1/8" = 1'-0"

FOUNDATION WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
F1	11 5/8"	10" CMU W/ DAMPROOFING, 2" RIGID INSULATION AND FIBERGLASS REINFORCED PLASTIC INSULATION PROTECTION WRAP
F2	17 1/8"	6" CMU W/ DAMPROOFING, 2" RIGID INSULATION, 1 7/8" AIR SPACE AND 8" CMU

EXTERIOR WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	8" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	17"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

INTERIOR WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION	FIRE RATING	ASSEMBLY REF	STC RATING
M4	3 5/8"	4" CMU - HEIGHT VARIES			
M4.3	3 5/8"	4" CMU TO EXTEND 8' - 0" A.F.F.			
M4A	3 5/8"	4" CMU TO EXTEND MIN. 6' ABOVE FINISH CEILING			
M6.1	5 5/8"	6" CMU TO EXTEND 5' - 4" A.F.F.			
M6.2	5 5/8"	6" CMU TO EXTEND 6' - 8" A.F.F.			
M6.3	5 5/8"	6" CMU TO EXTEND 8' - 0" A.F.F.			
M6A	5 5/8"	6" CMU TO EXTEND MIN. 6' ABOVE FINISH CEILING			
M8.1	7 5/8"	8" CMU TO EXTEND 6' - 8" A.F.F.			
M8.2	7 5/8"	8" CMU TO EXTEND 10' - 0" A.F.F.			
M8A	7 5/8"	8" CMU TO EXTEND MIN. 6' ABOVE FINISH CEILING			
M8B	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M8R1	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M10B	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M10R1	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M16B	15 5/8"	16" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P4A	4 1/4"	3 5/8" METAL STUD W/ 5/8" GWB ONE SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE - HEIGHT VARIES			
P7A	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7B	4 7/8"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P8A	7 1/4"	6" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			

FLOOR ASSEMBLY SCHEDULE

MARK	DESCRIPTION	COMMENTS
CTSA	4" CONCRETE SLAB	
SOG6	6" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	TYPICAL DOG WING SLAB
SOG8	8" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	

ROOF ASSEMBLY SCHEDULE

MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

GENERAL BUILDING SECTION NOTES

NOTE #	NOTE
1	BUILDING SECTIONS ARE INTENDED TO SHOW OVERALL RELATIONSHIPS OF SPACES, OVERALL ASSEMBLIES, AND THE GEOMETRY OF THE BUILDING. SEE REFERENCED WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 9-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

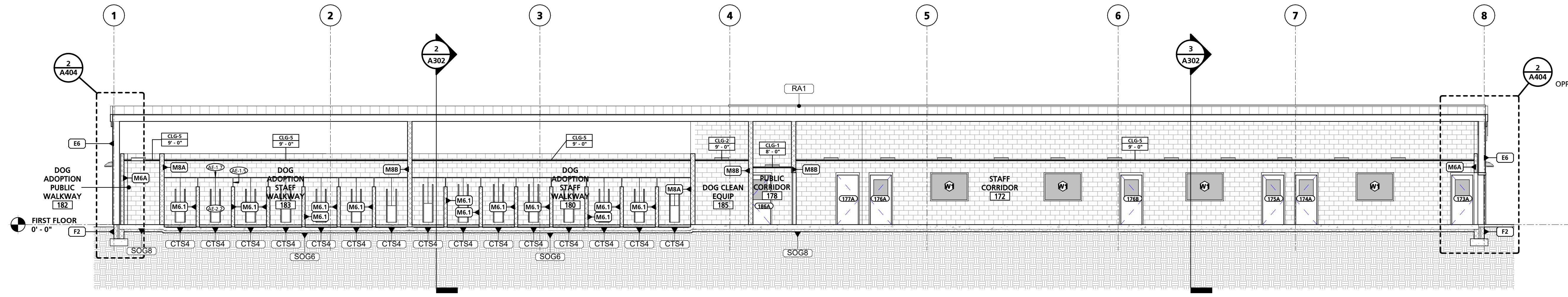
DRAWING TITLE:
BUILDING SECTIONS -
MAIN WING

SHEET NUMBER:
A301

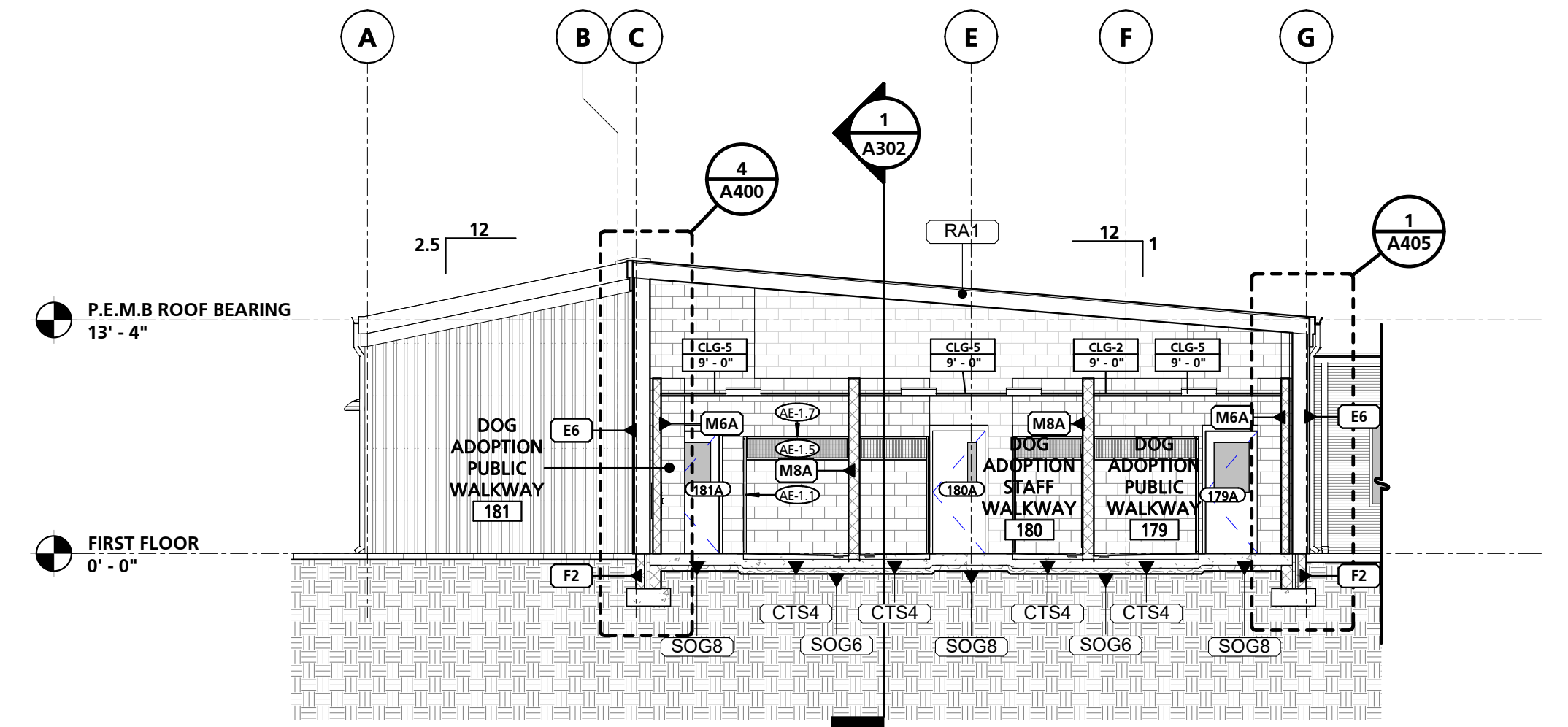
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 06-18-2025



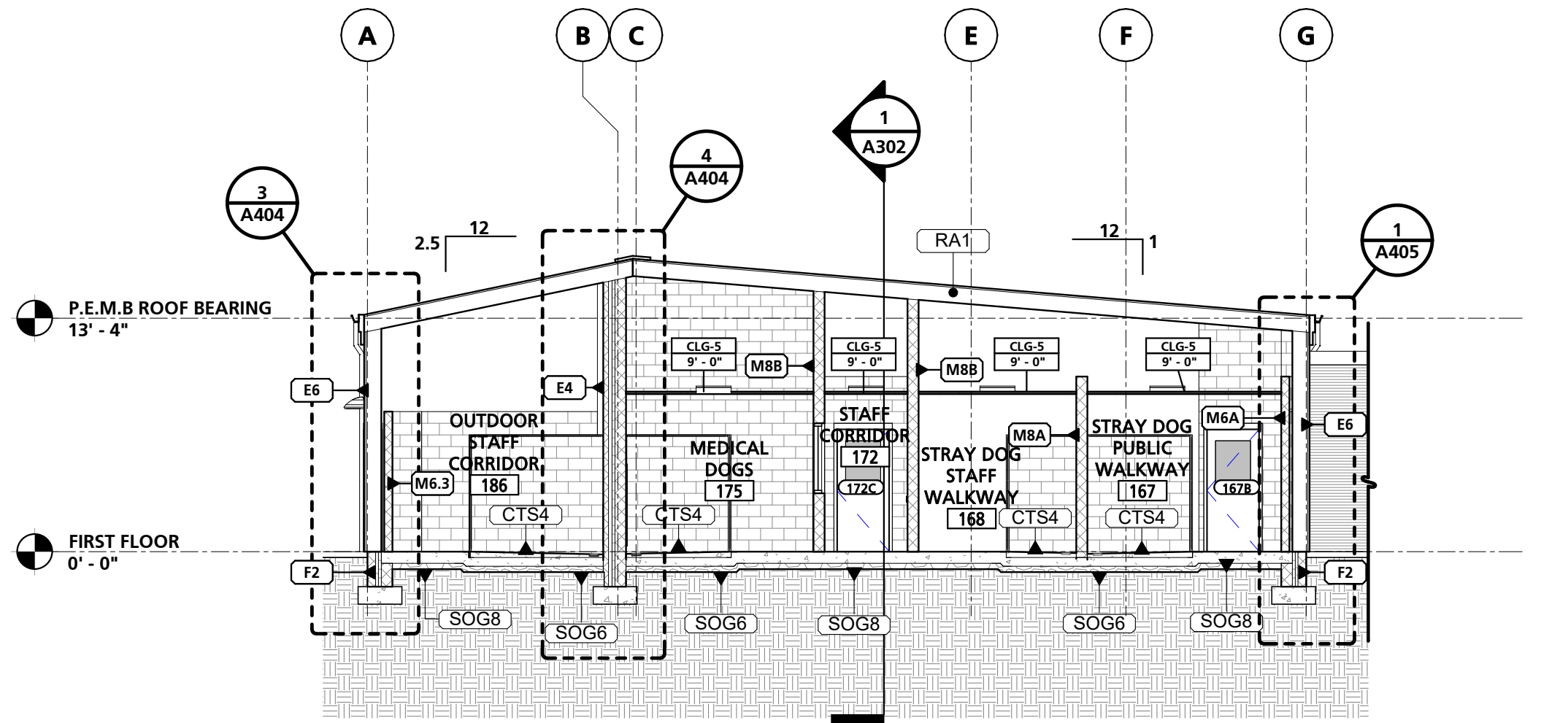
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602



1 TYPICAL BUILDING SECTION
1/8" = 1'-0"



2 TYPICAL BUILDING SECTION
1/8" = 1'-0"



3 TYPICAL BUILDING SECTION
1/8" = 1'-0"

FOUNDATION WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
F1	11 5/8"	10" CMU W/ DAMPROOFING, 2" RIGID INSULATION AND FIBERGLASS REINFORCED PLASTIC INSULATION PROTECTION WRAP
F2	17 1/8"	6" CMU W/ DAMPROOFING, 2" RIGID INSULATION, 1 7/8" AIR SPACE AND 8" CMU

EXTERIOR WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION
E1.1	14 1/2"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E1.2	20 1/2"	16" CMU W/ LIQUID APPLIED AIR BARRIER W/ 2" RIGID INSULATION, 2 1/2" STUD FURRING AND METAL WALL PANEL - TYPE 1
E2	13 1/4"	10" CMU W/ LIQUID APPLIED AIR BARRIER, 2" RIGID INSULATION, 3/4" SUBGIRTS AND METAL WALL PANEL - TYPE 2
E4	15 5/8"	8" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E5	17"	10" CMU, 2" RIGID INSULATION, AIR SPACE AND 4" CMU VENEER
E6	11 3/4"	VAPOR BARRIER LINER SYSTEM OVER 9 1/2" GIRTS W/ THERMAL BLOCKING, (2) LAYERS MIN R-13 BATT INSULATION AND PEMB WALL PANEL

INTERIOR WALL ASSEMBLY SCHEDULE

MARK	WIDTH	DESCRIPTION	FIRE RATING		
			RATING	ASSEMBLY REF.	STC RATING
M4	3 5/8"	4" CMU - HEIGHT VARIES			
M4.3	3 5/8"	4" CMU TO EXTEND 8" - 0" A.F.F.			
M4A	3 5/8"	4" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M6.1	5 5/8"	6" CMU TO EXTEND 5' - 4" A.F.F.			
M6.2	5 5/8"	6" CMU TO EXTEND 6' - 8" A.F.F.			
M6.3	5 5/8"	6" CMU TO EXTEND 8' - 0" A.F.F.			
M6A	5 5/8"	6" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M8.1	7 5/8"	8" CMU TO EXTEND 6' - 8" A.F.F.			
M8.2	7 5/8"	8" CMU TO EXTEND 10' - 0" A.F.F.			
M8A	7 5/8"	8" CMU TO EXTEND MIN. 6" ABOVE FINISH CEILING			
M8B	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M8R1	7 5/8"	8" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M10B	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
M10R1	9 5/8"	10" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE - 1 HR FIRE-RATED	1	UL-U906	
M16B	15 5/8"	16" CMU TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P4A	4 1/4"	3 5/8" METAL STUD W/ 5/8" GWB ONE SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE - HEIGHT VARIES			
P7A	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			
P7B	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE			
P8A	7 1/4"	6" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE TO EXTEND MIN. 6" ABOVE FINISH CEILING			

FLOOR ASSEMBLY SCHEDULE

MARK	DESCRIPTION	COMMENTS
CTS4	4" CONCRETE SLAB	
SOG6	6" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	
SOG8	8" CONCRETE SLAB OVER VAPOR BARRIER AND POROUS FILL	TYPICAL DOG WING SLAB

ROOF ASSEMBLY SCHEDULE

MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

GENERAL BUILDING SECTION NOTES

NOTE #	NOTE
1	BUILDING SECTIONS ARE INTENDED TO SHOW OVERALL RELATIONSHIPS OF SPACES, OVERALL ASSEMBLIES, AND THE GEOMETRY OF THE BUILDING. SEE REFERENCED WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.

NO.	DESCRIPTION	DATE

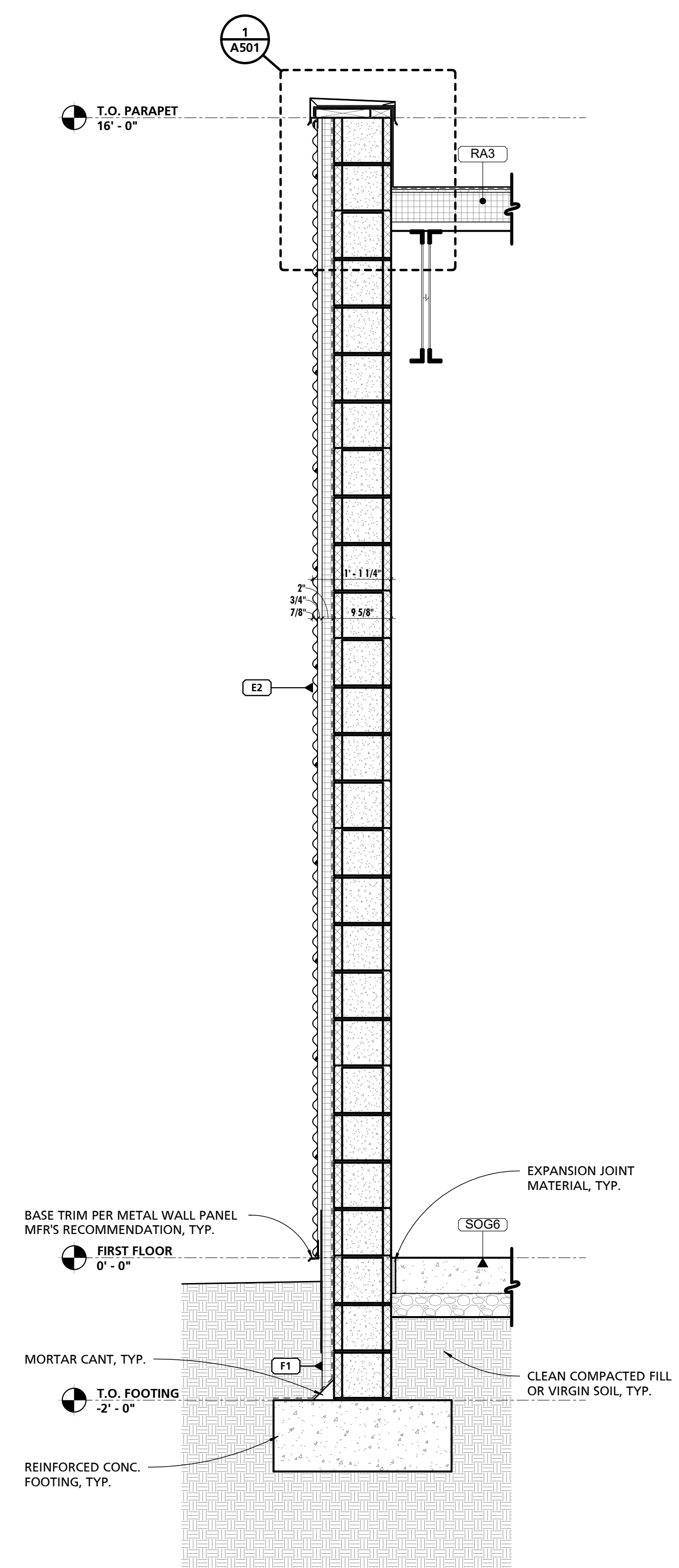
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
BUILDING SECTIONS -
DOG WING

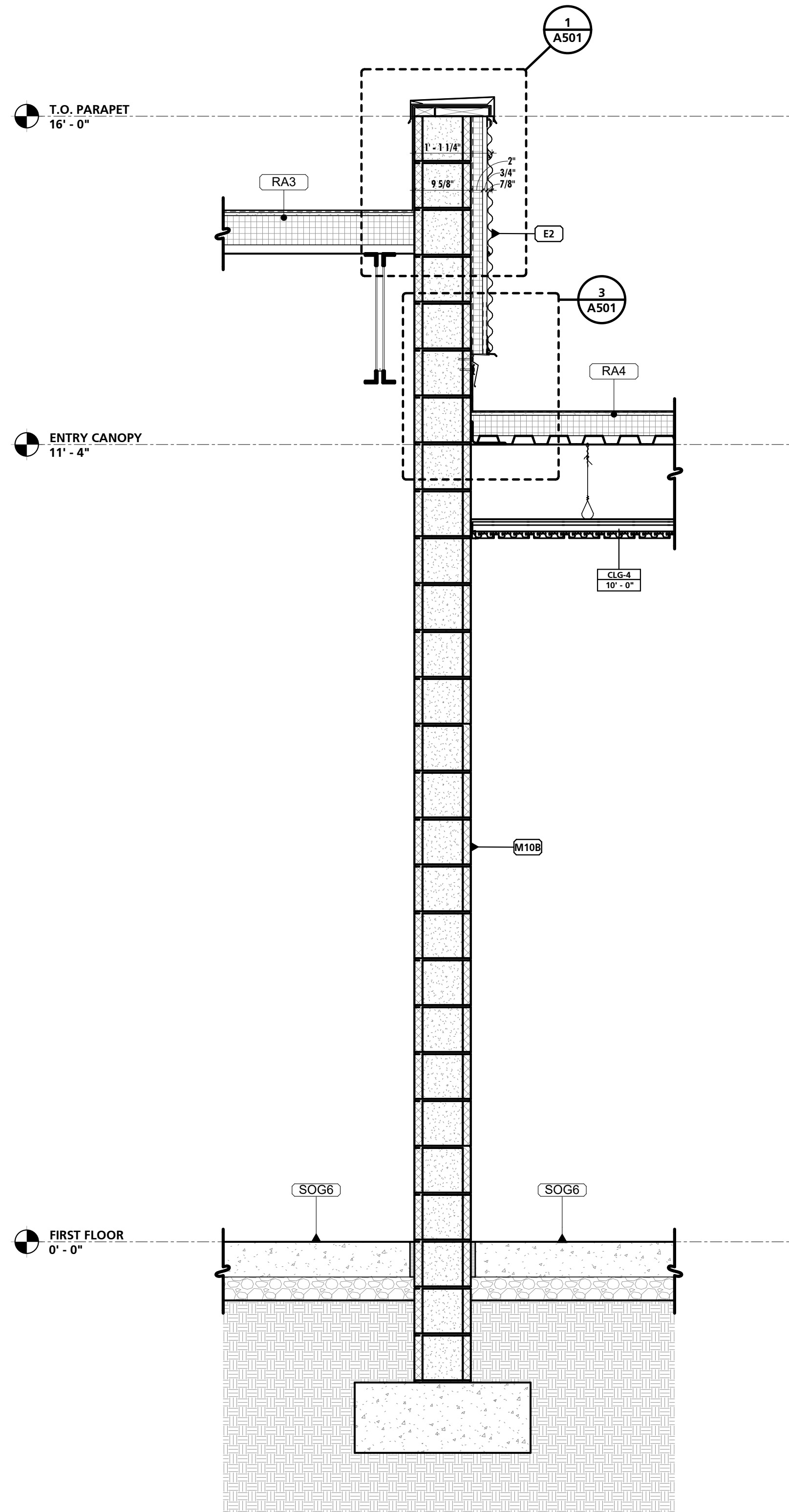
SHEET NUMBER:
A302

NOTE #	GENERAL WALL SECTION NOTES	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.	

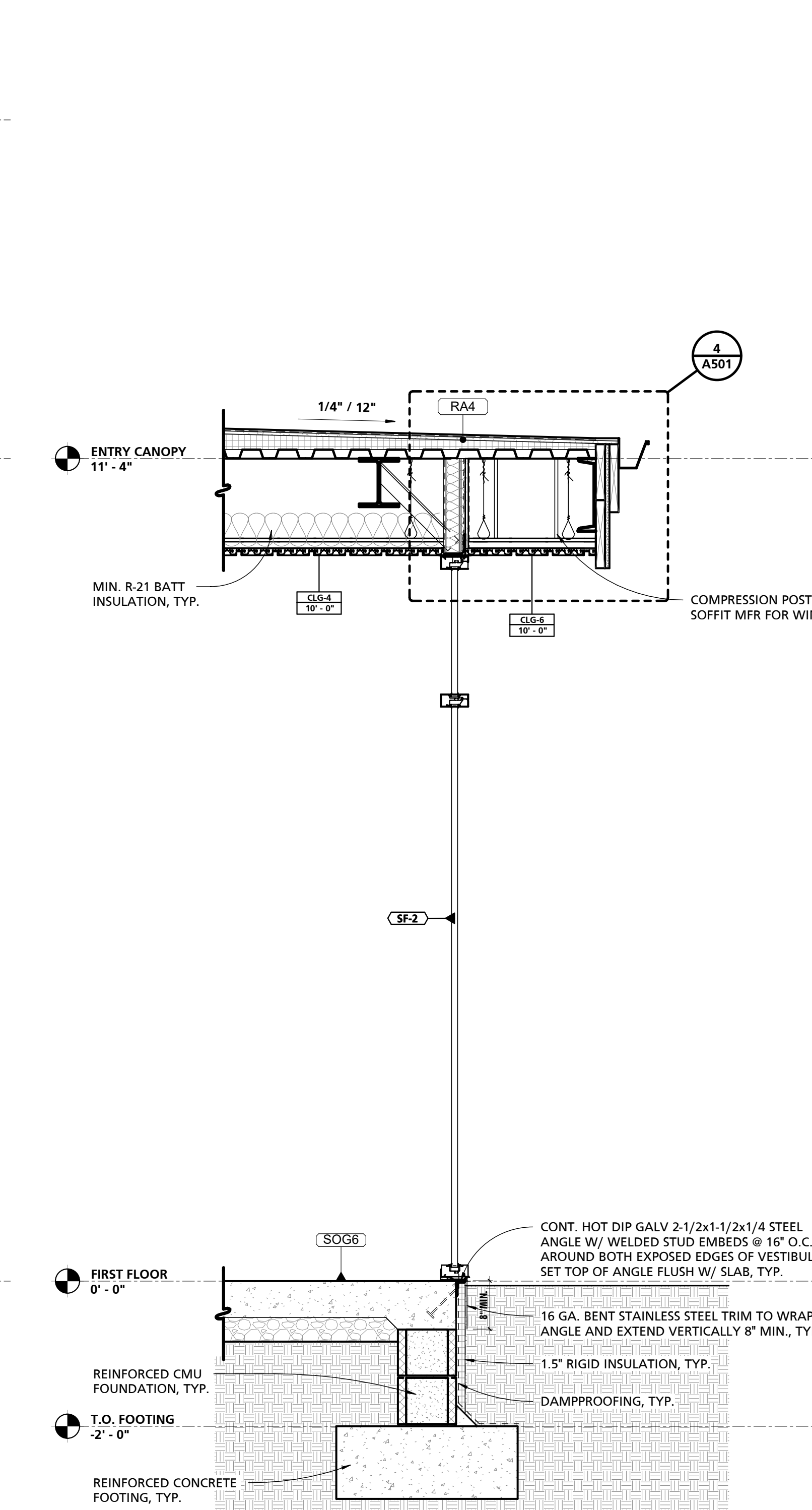
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505. EXPIRATION DATE: 06-18-2025



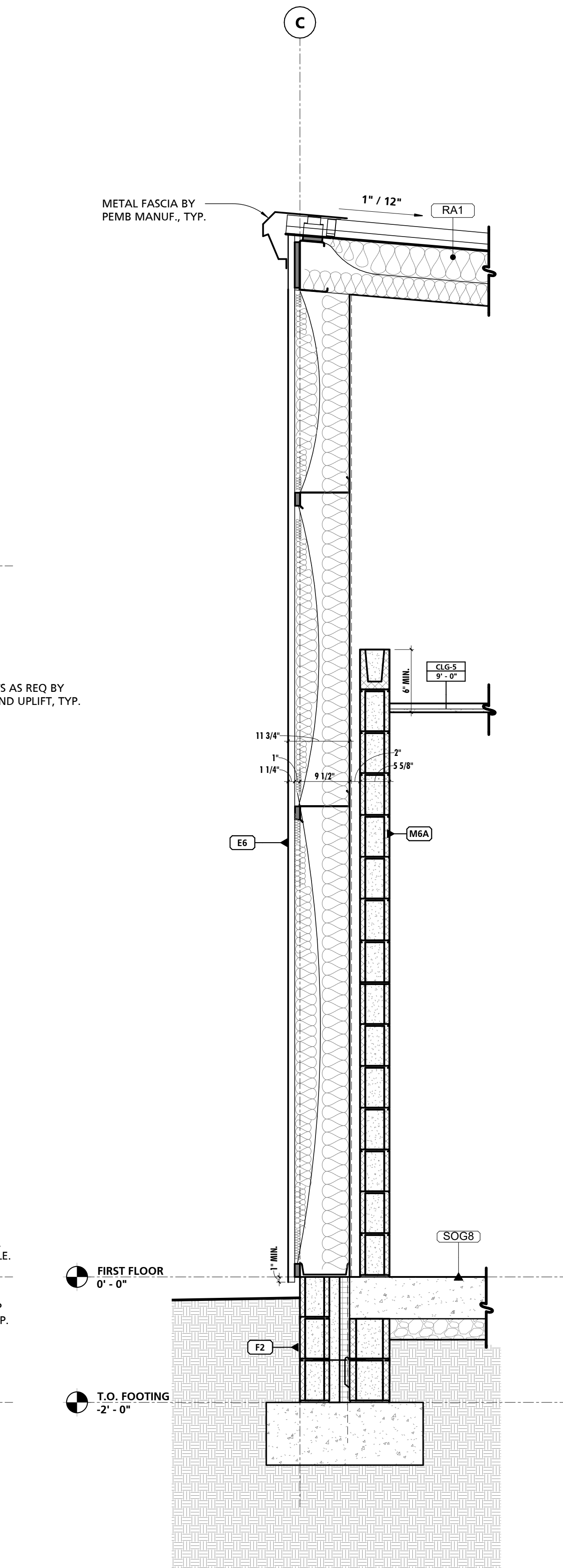
1 TYPICAL WALL SECTION
3/4" = 1'-0"



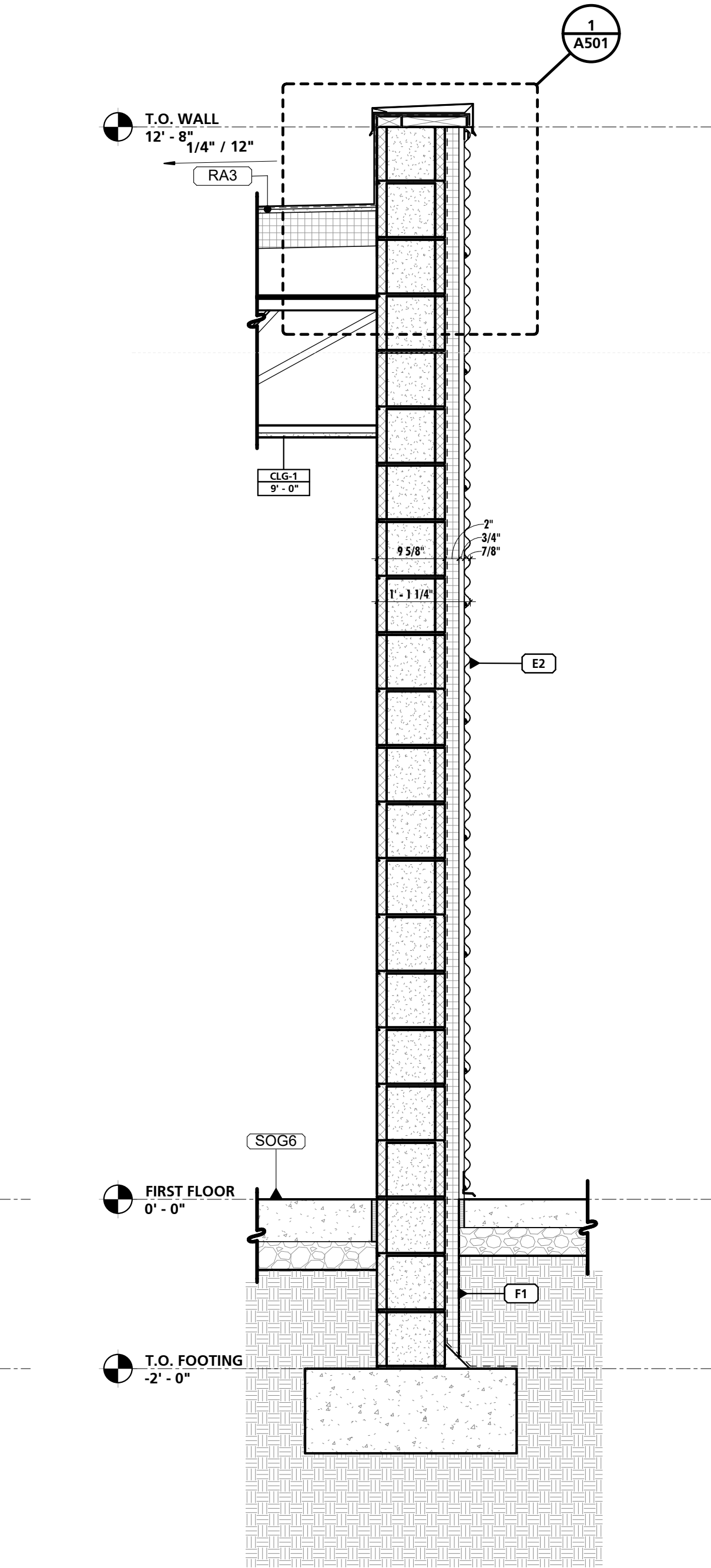
2 TYPICAL WALL SECTION
3/4" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"



4 TYPICAL WALL SECTION
3/4" = 1'-0"



5 TYPICAL WALL SECTION
3/4" = 1'-0"

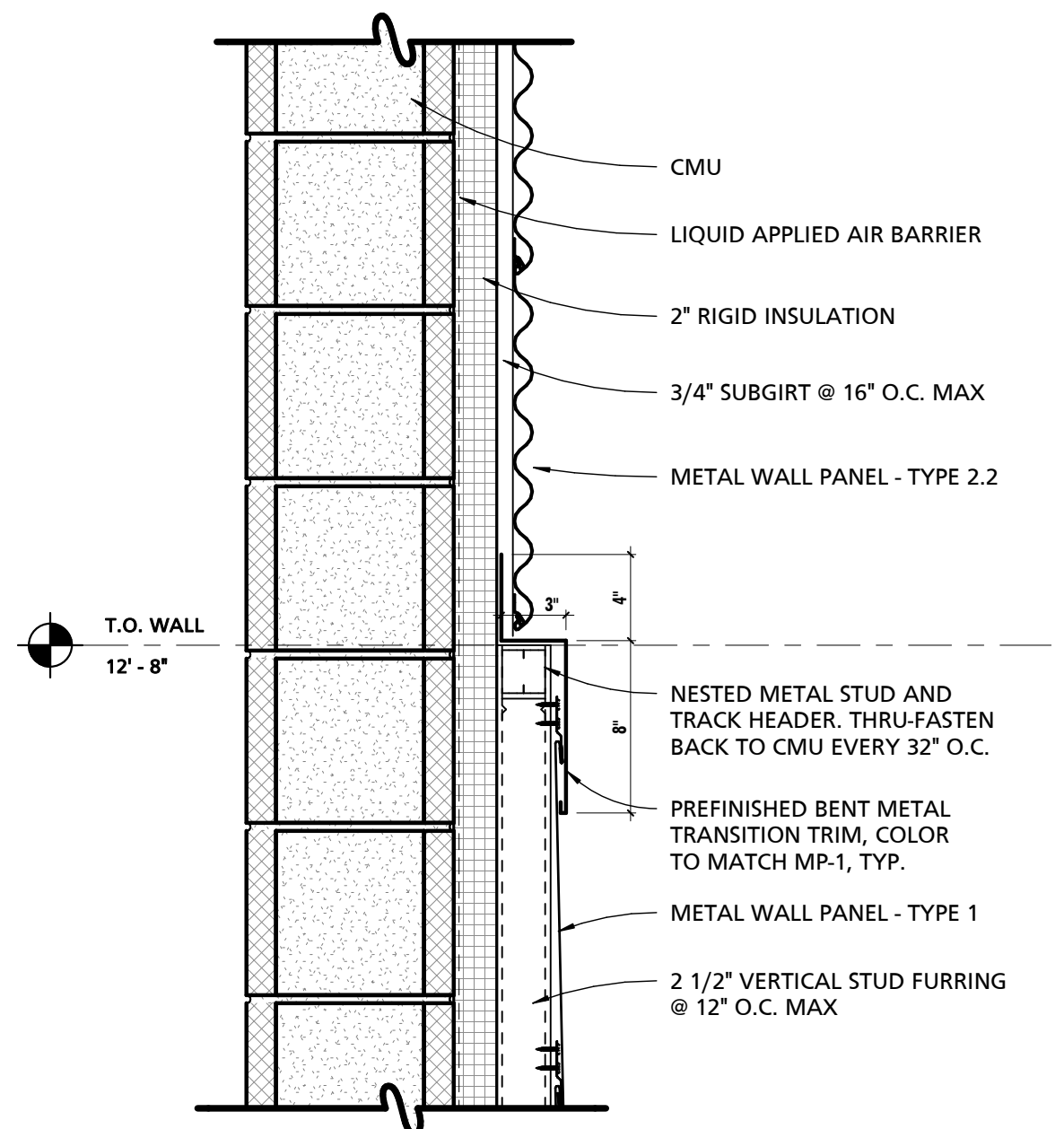
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

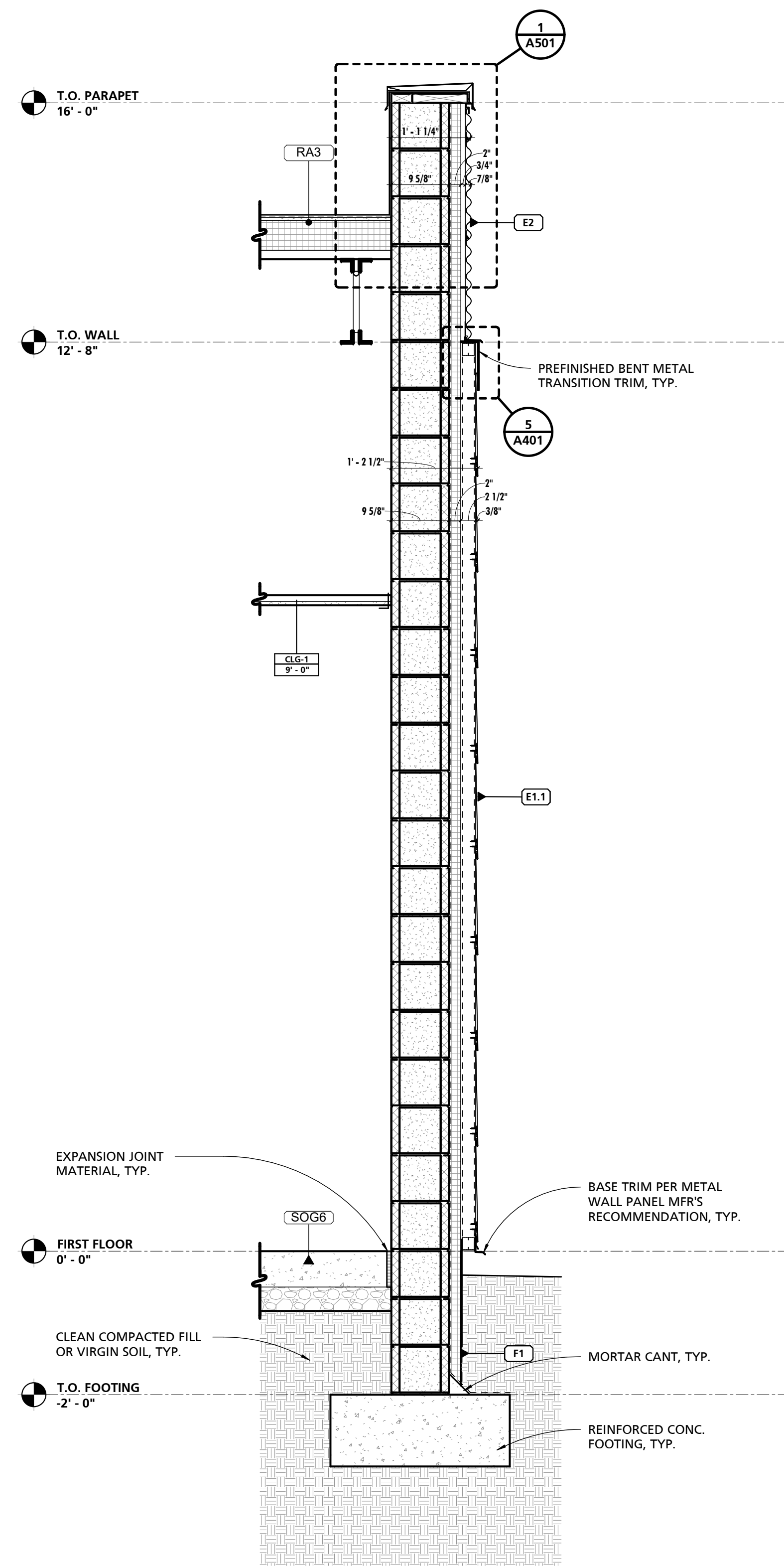
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
WALL SECTIONS

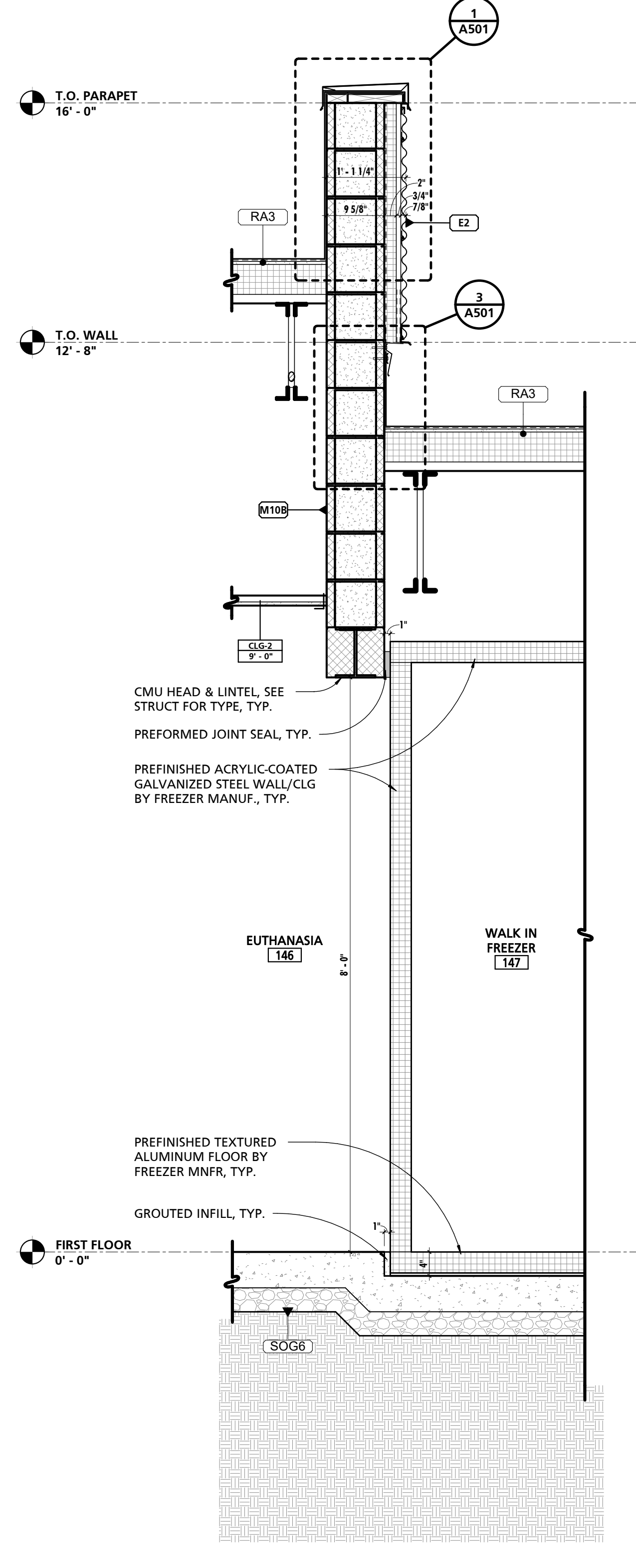
SHEET NUMBER:
A400



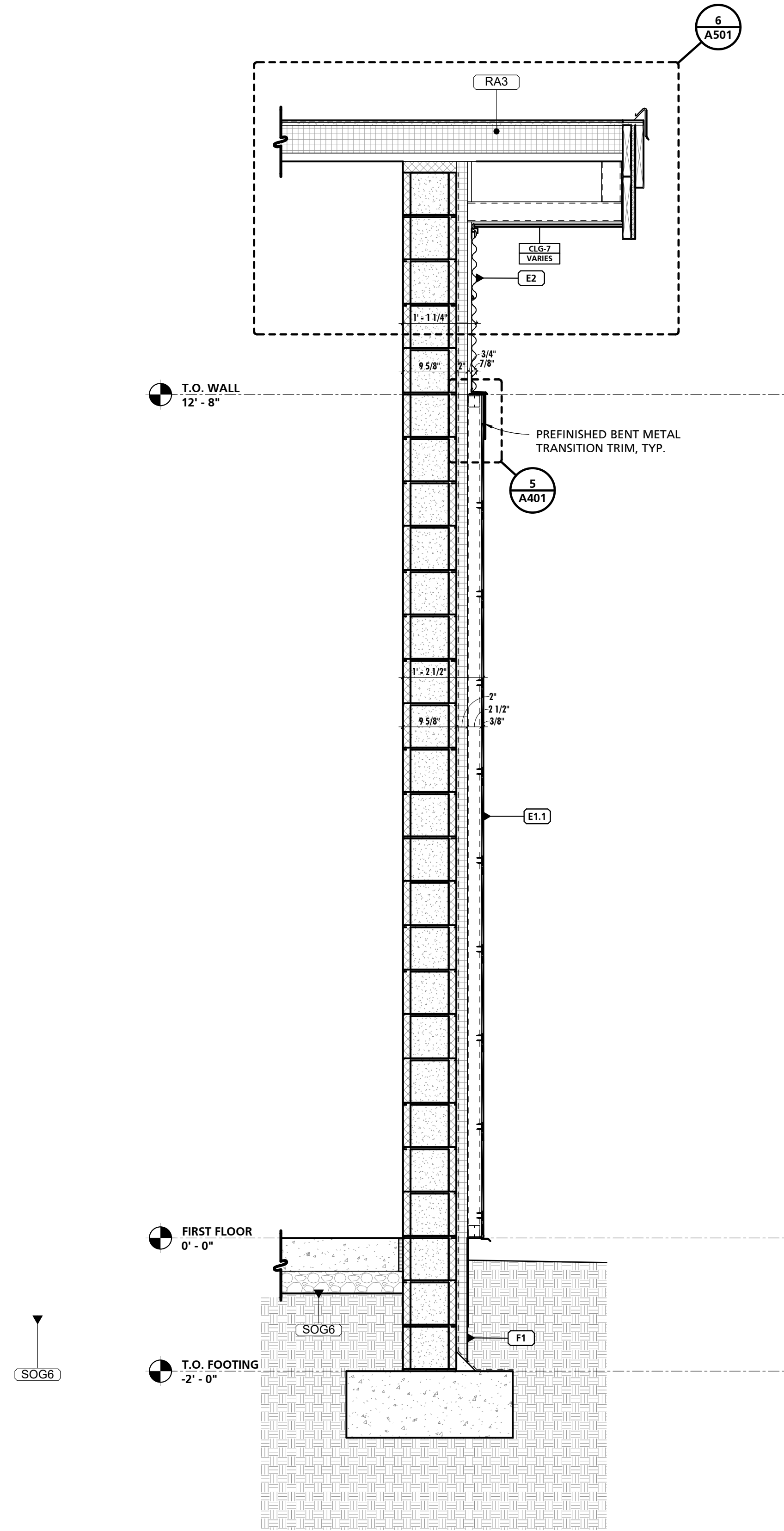
5 BENT METAL TRANSITION TRIM DETAIL
 1 1/2" = 1'-0"



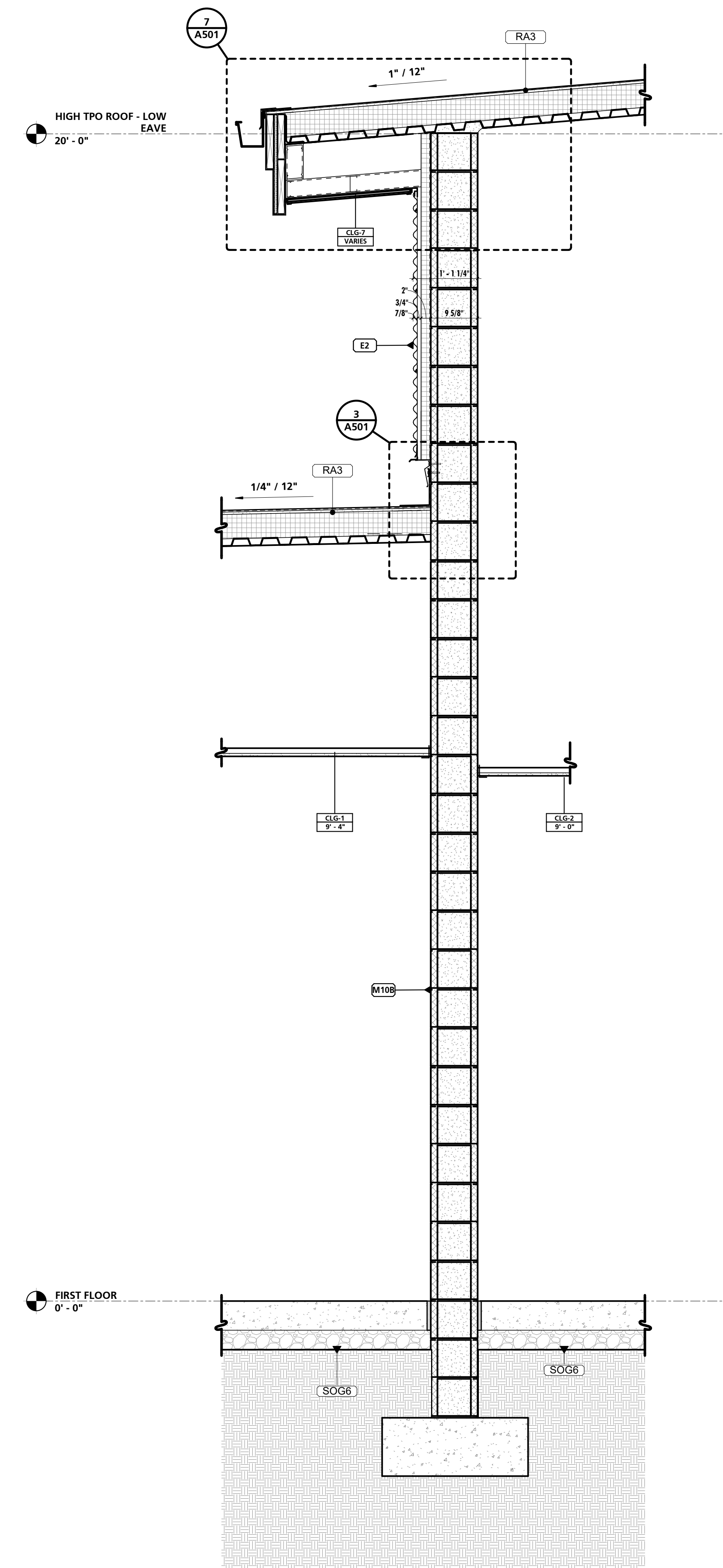
1 TYPICAL WALL SECTION
 3/4" = 1'-0"



2 TYPICAL WALL SECTION
 3/4" = 1'-0"



3 TYPICAL WALL SECTION
 3/4" = 1'-0"



4 TYPICAL WALL SECTION
 3/4" = 1'-0"

NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.

SEAL:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
 PROJECT SET:
PERMIT
 DATE ISSUED:
12/23/2019
 DRAWING TITLE:
WALL SECTIONS
 SHEET NUMBER:
A401

NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 08-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

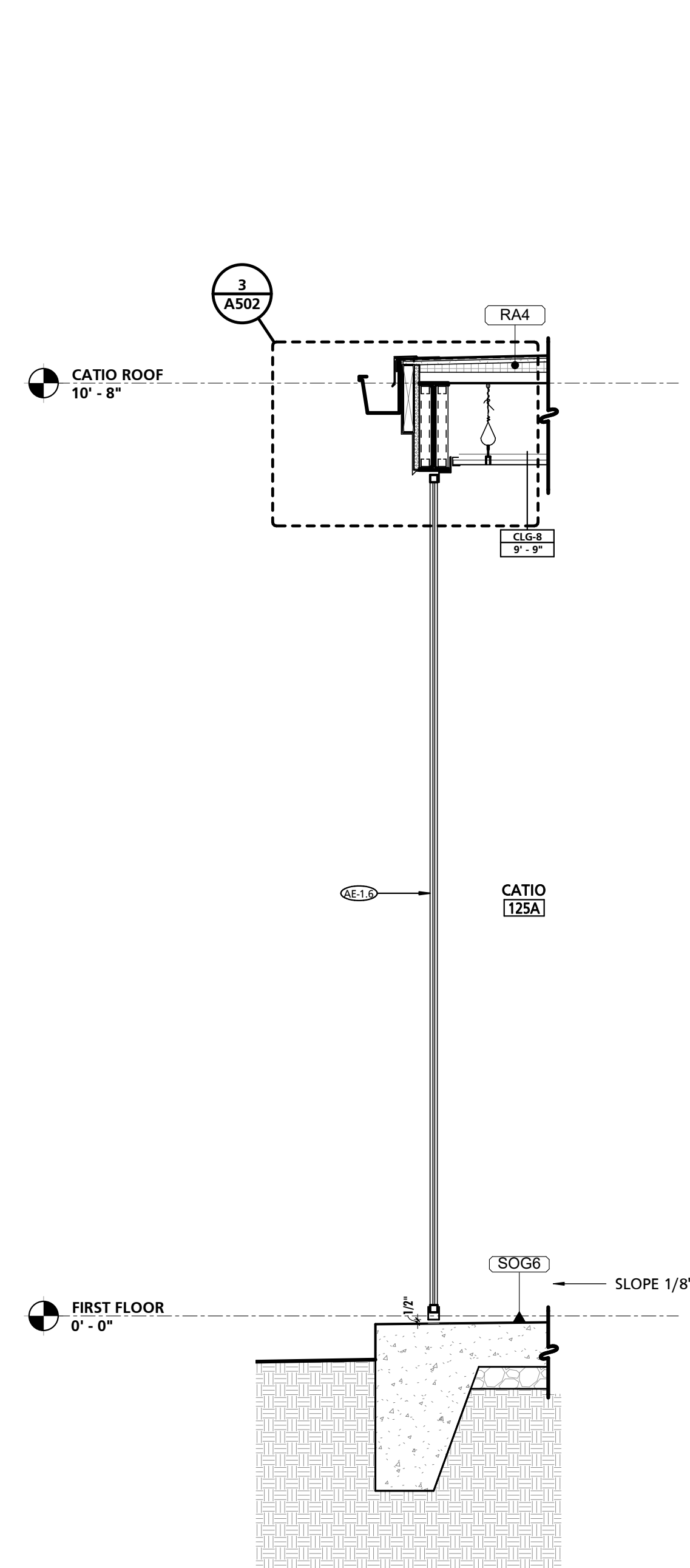
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

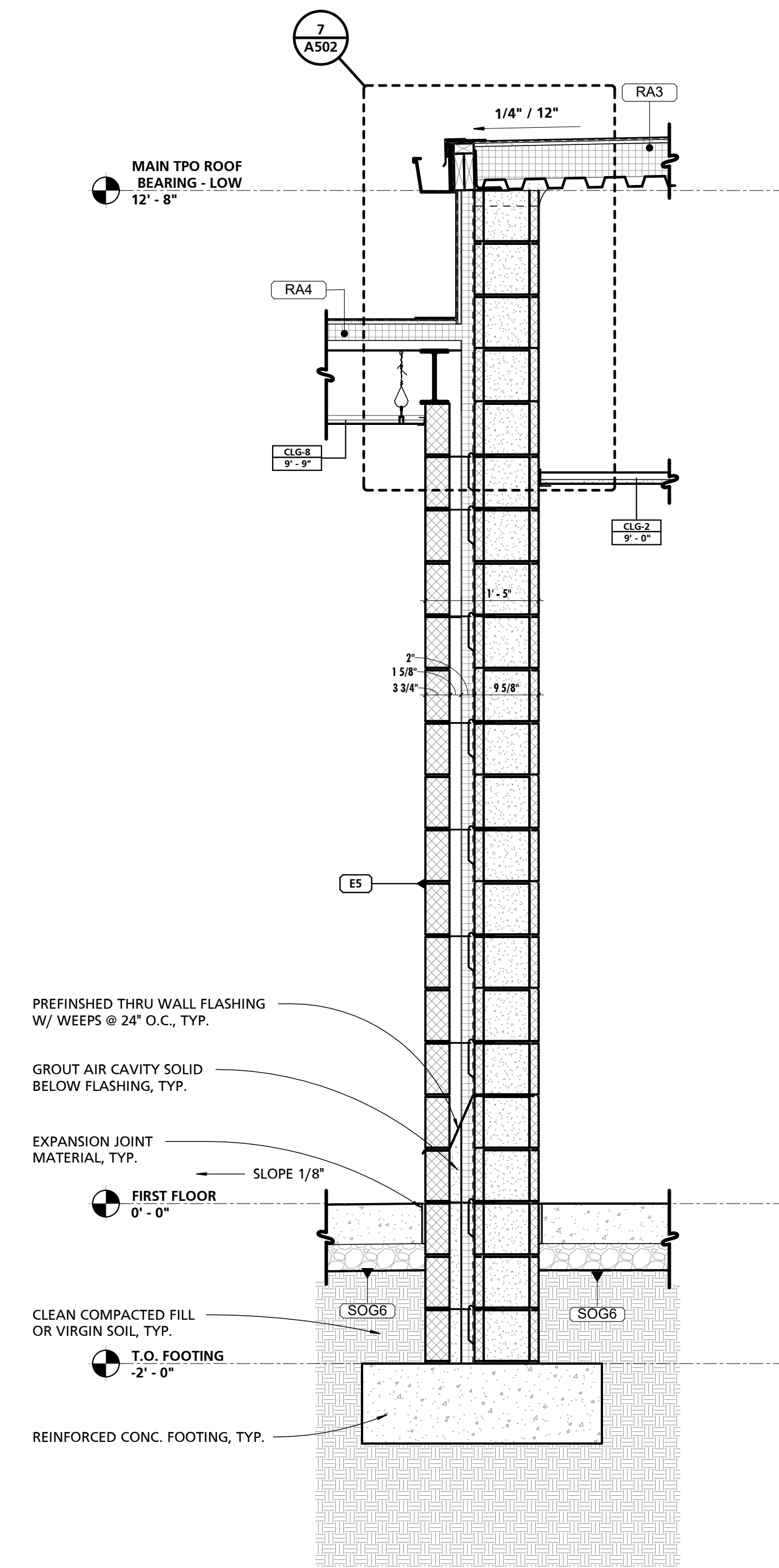
DRAWING TITLE:
WALL SECTIONS

SHEET NUMBER:
A402

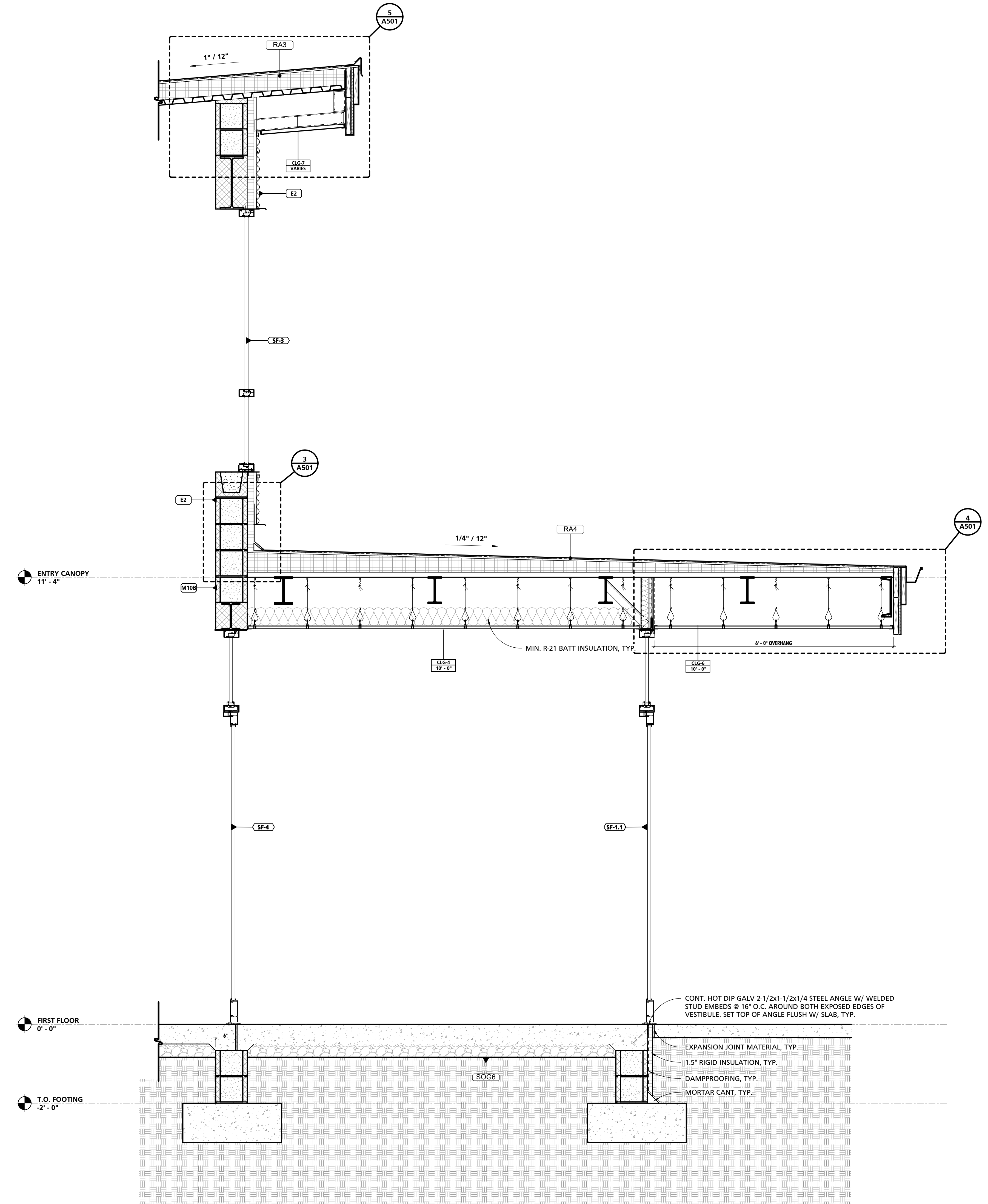
1/20/2019 9:32:07 AM



1 TYPICAL WALL SECTION
3/4" = 1'-0"



2 TYPICAL WALL SECTION
3/4" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"

GENERAL WALL SECTION NOTES

NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.

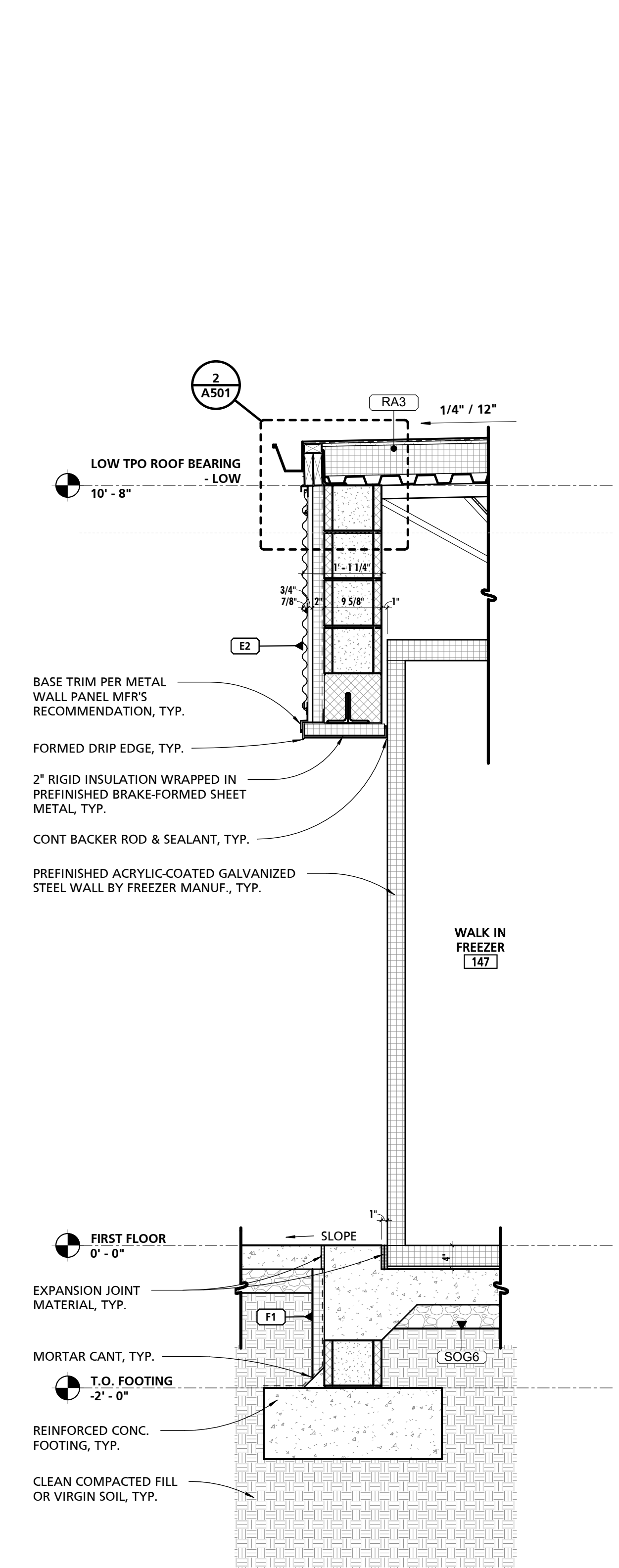
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 09-18-2025



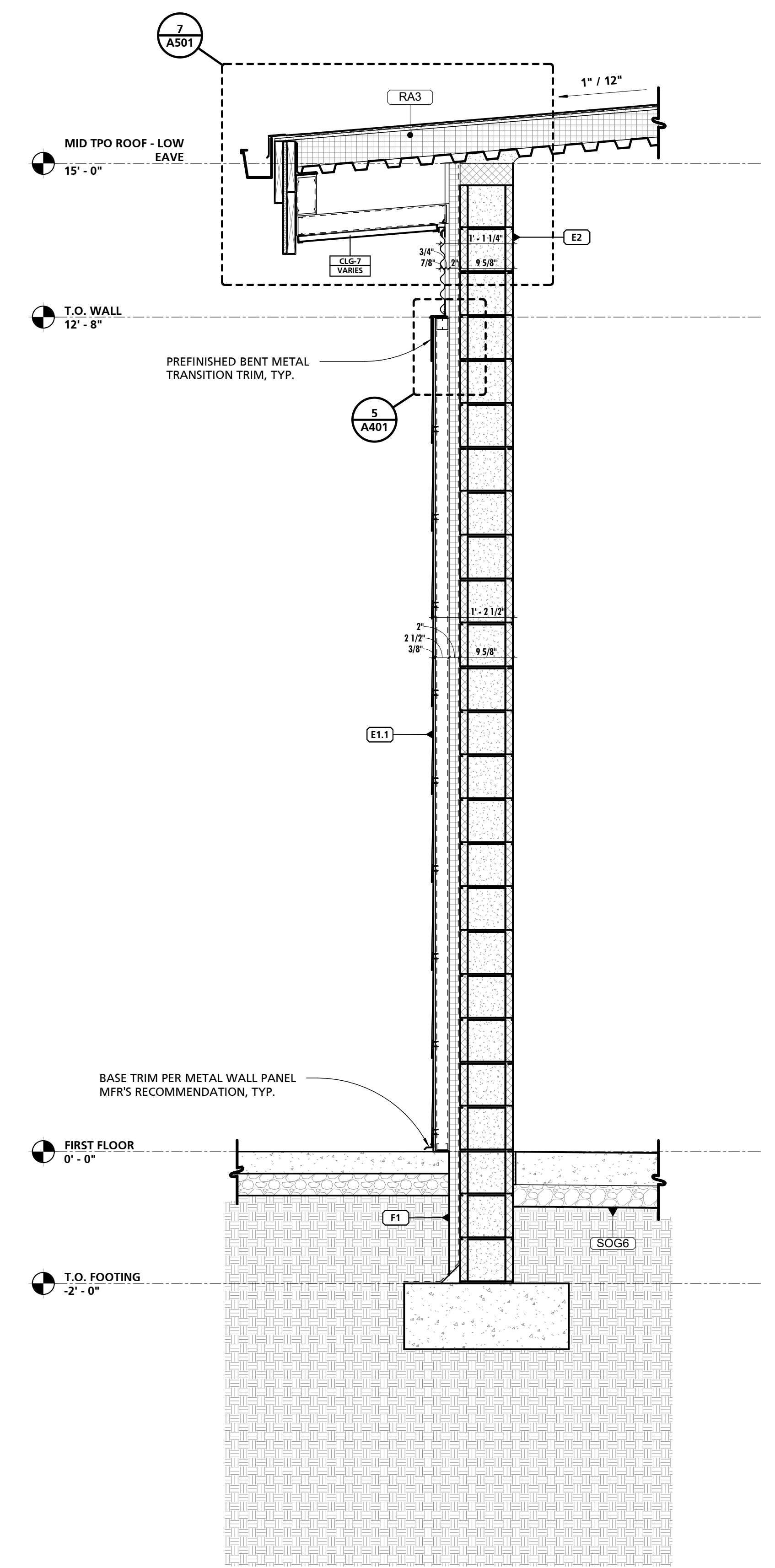
CHARLES COUNTY ANIMAL CARE CENTER
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

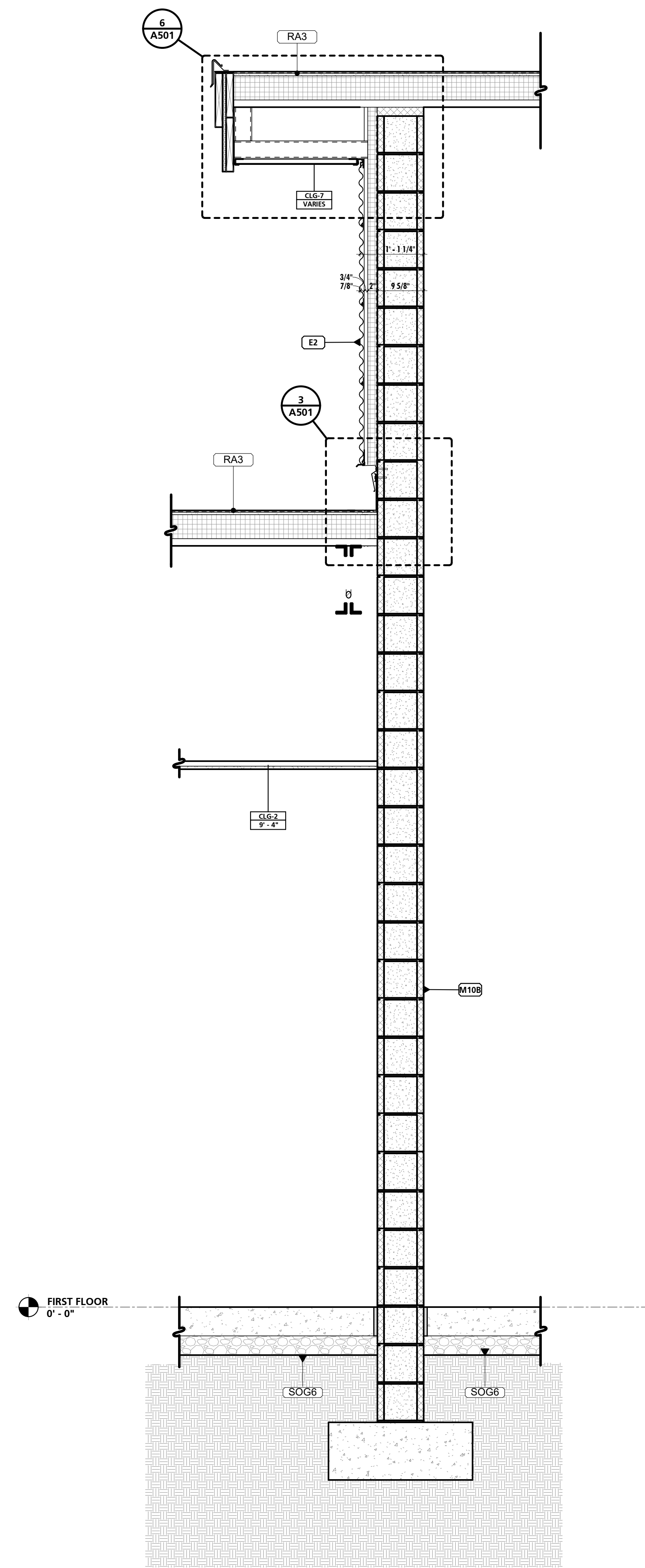
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
WALL SECTIONS
SHEET NUMBER:
A403



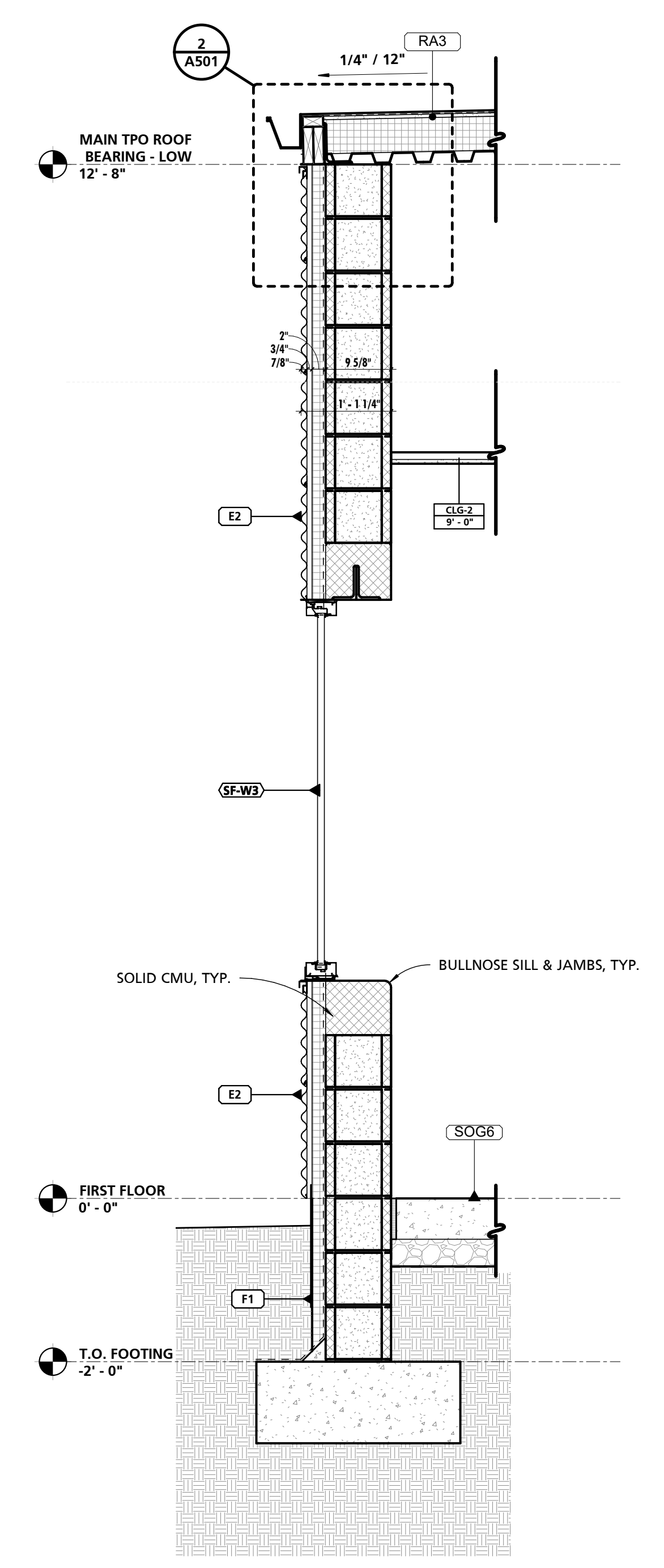
1 TYPICAL WALL SECTION
3/4" = 1'-0"



2 TYPICAL WALL SECTION
3/4" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"



4 TYPICAL WALL SECTION
3/4" = 1'-0"

GENERAL WALL SECTION NOTES	
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

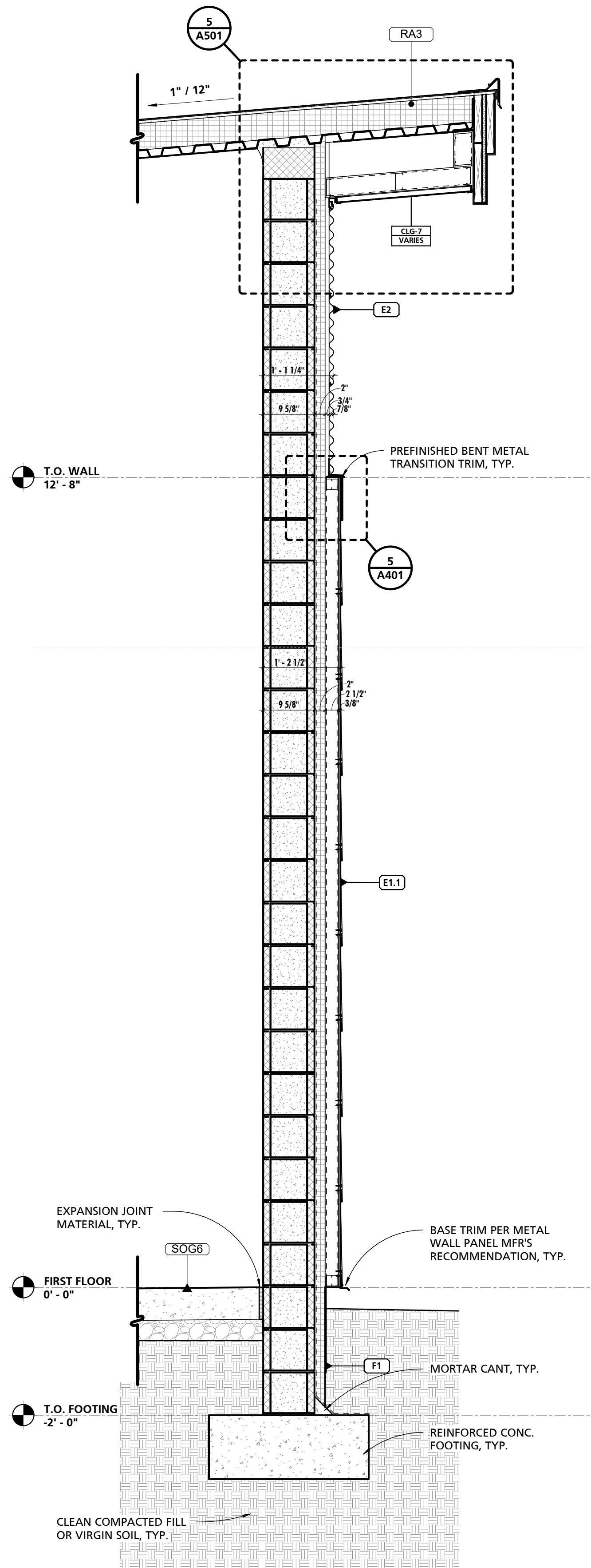
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

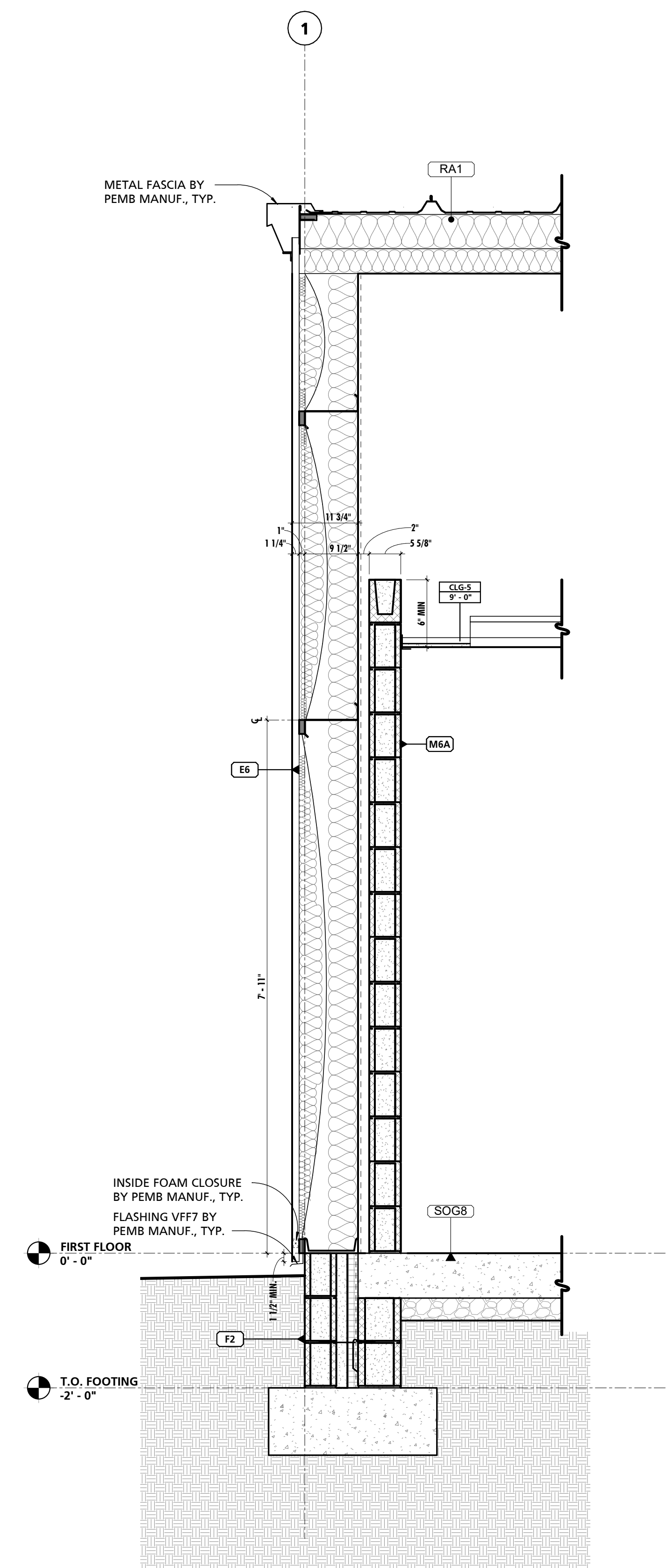
DRAWING TITLE:
WALL SECTIONS

SHEET NUMBER:
A404

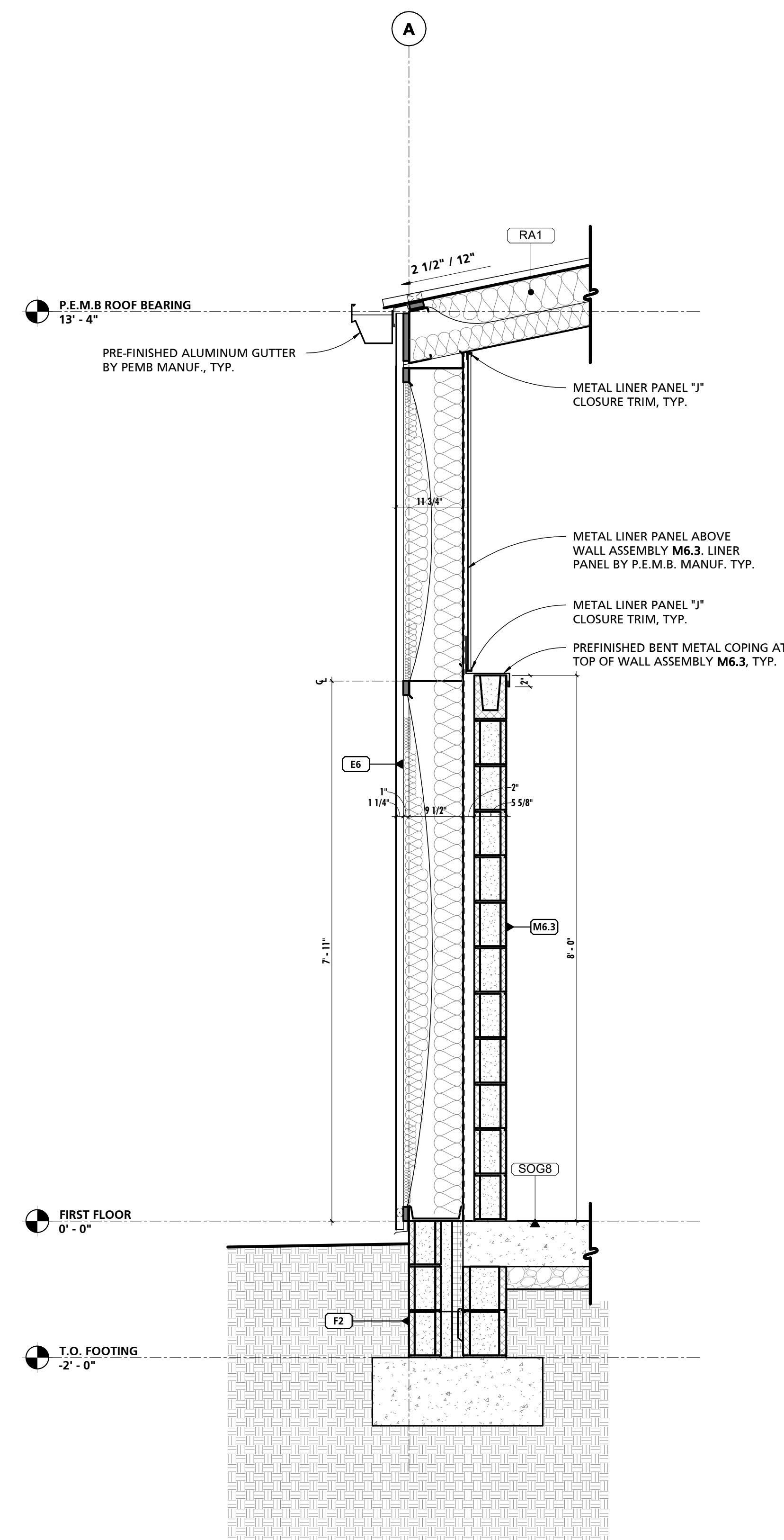
1/20/2019 9:32:13 AM



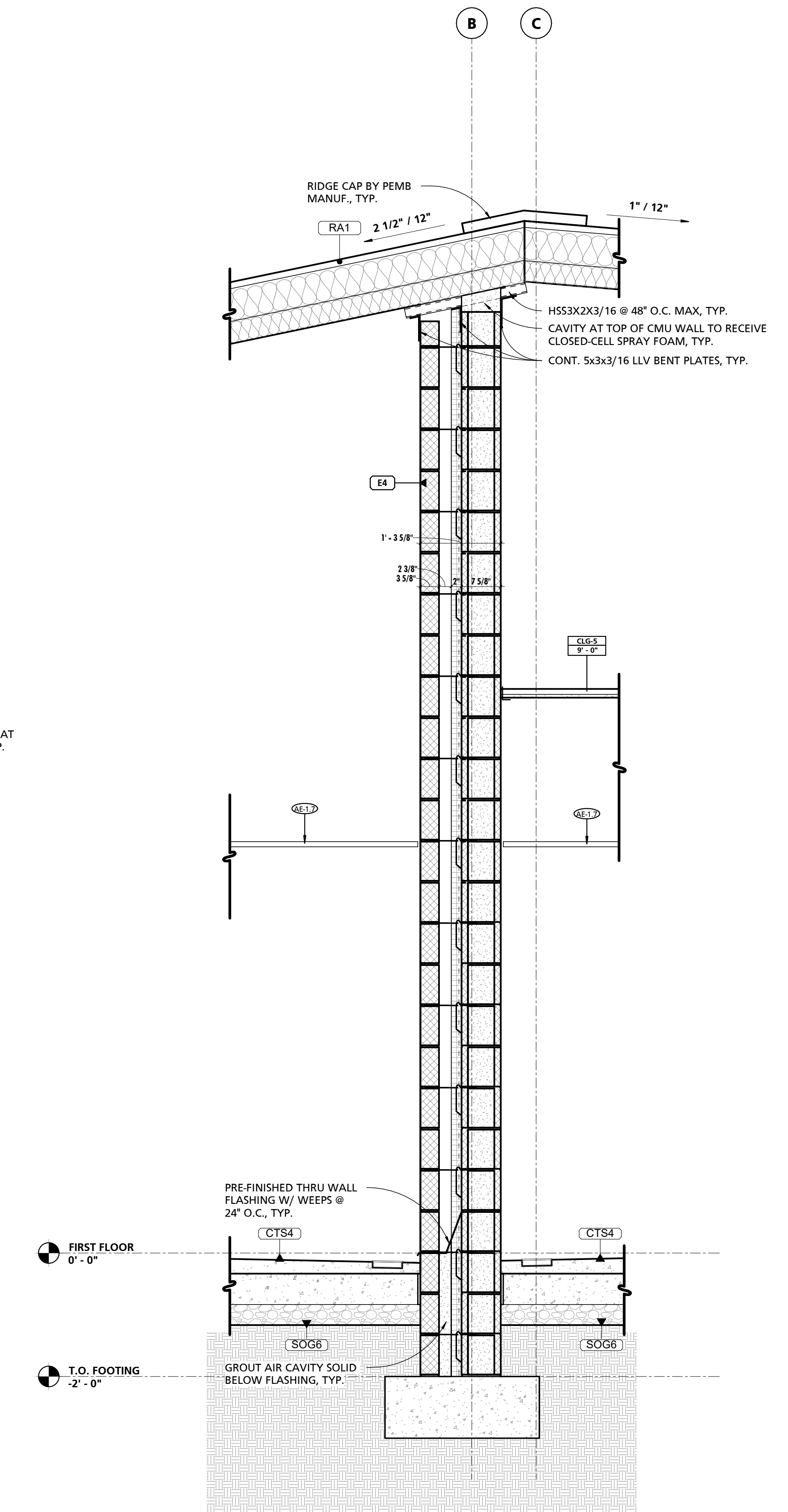
1 TYPICAL WALL SECTION
3/4" = 1'-0"



2 TYPICAL WALL SECTION
3/4" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"



4 TYPICAL WALL SECTION
3/4" = 1'-0"

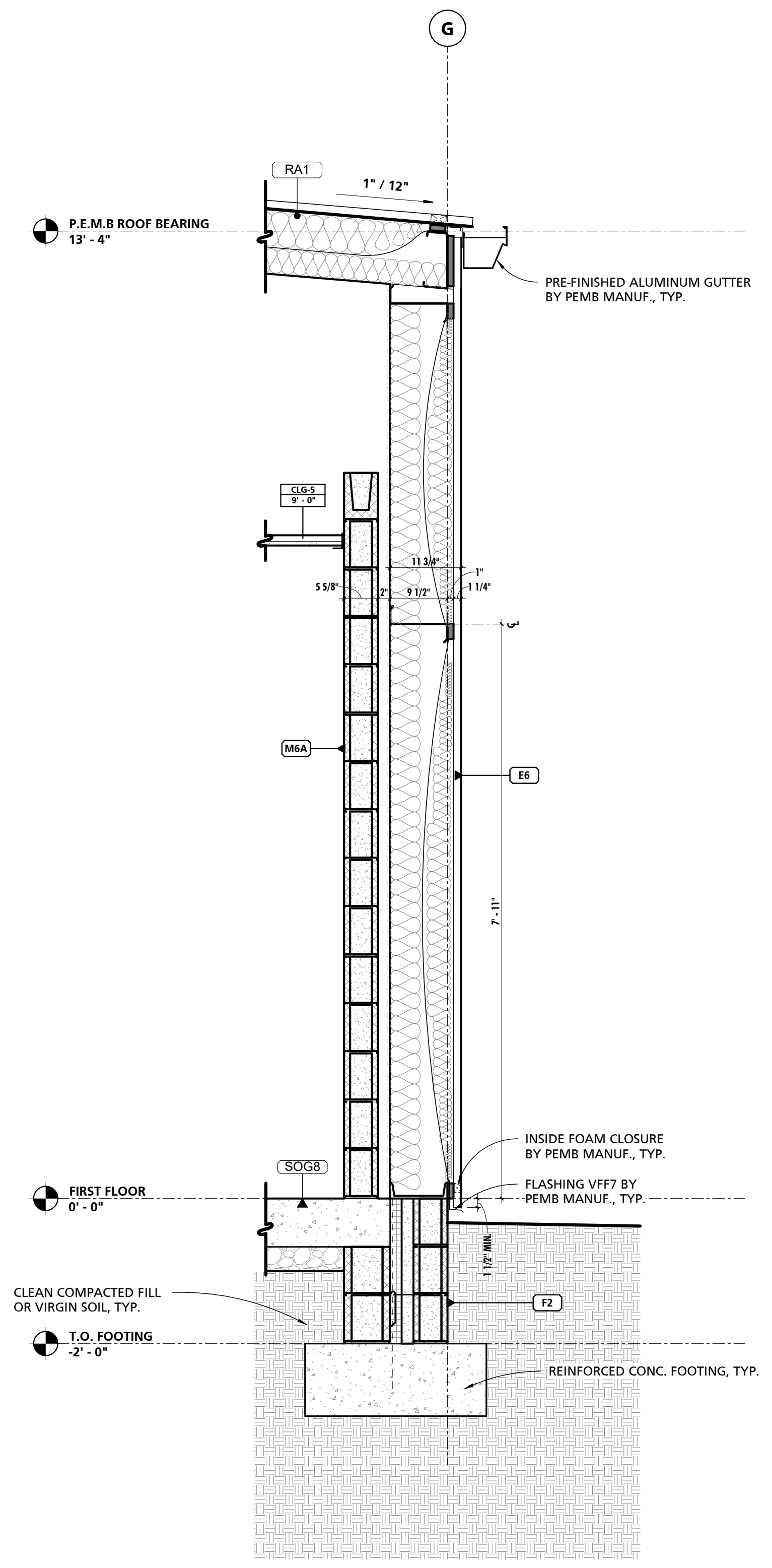
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



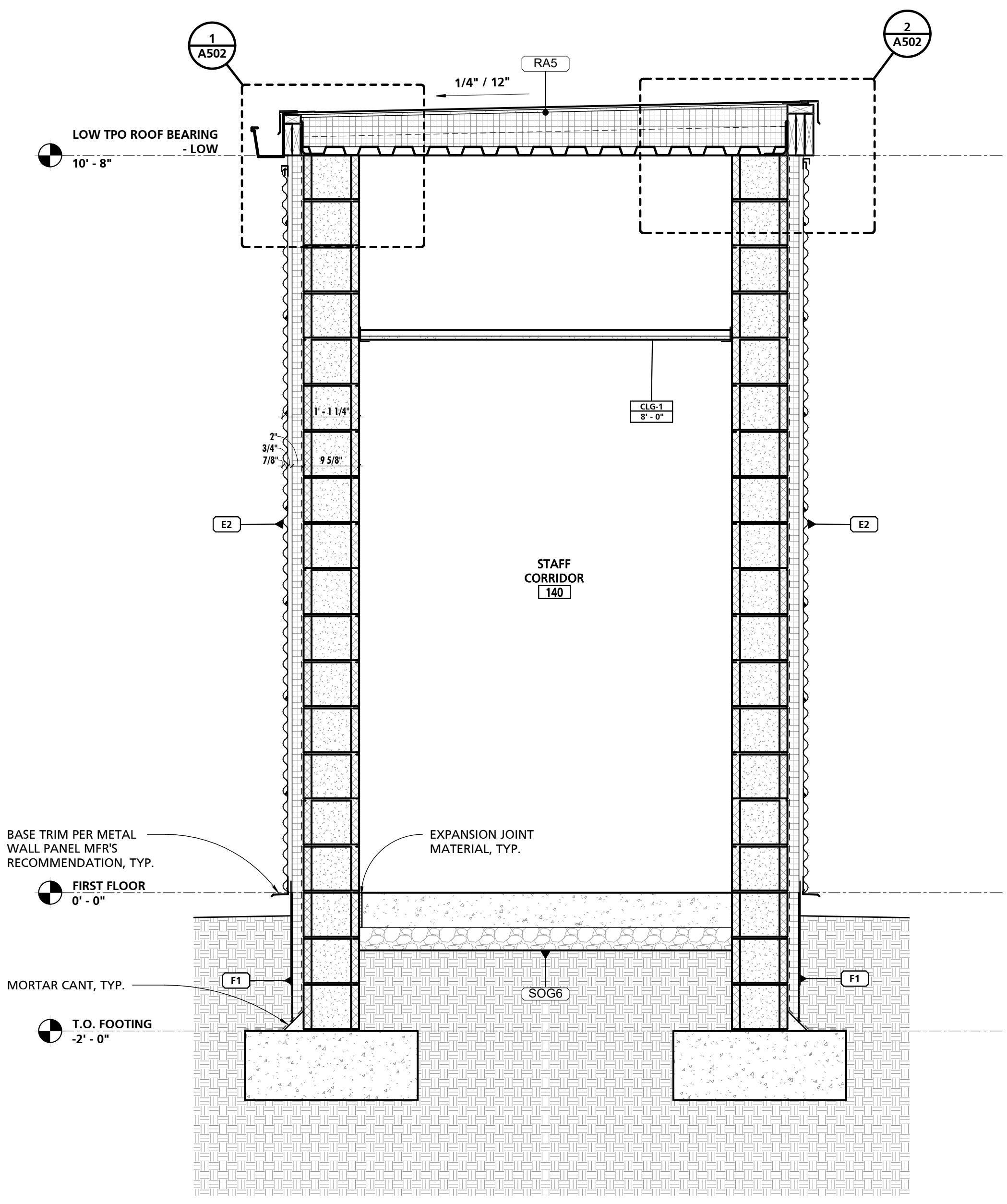
CHARLES COUNTY ANIMAL CARE CENTER
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
PROJECT NUMBER:	18-034	
PROJECT SET:	PERMIT	
DATE ISSUED:	12/23/2019	
DRAWING TITLE:	WALL SECTIONS	
SHEET NUMBER:	A405	

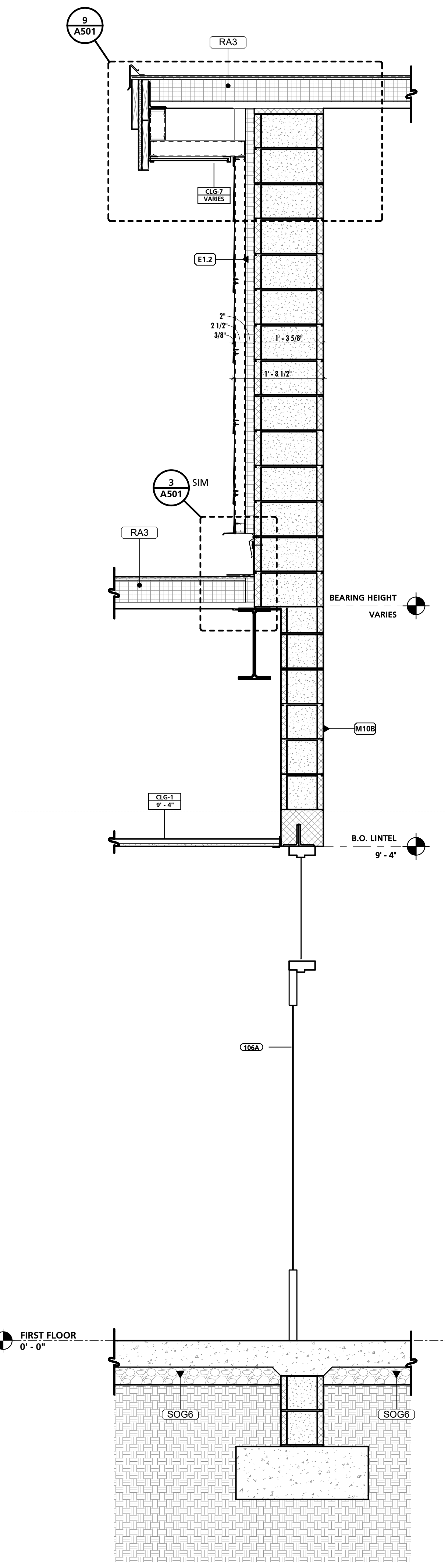
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES & DETAILS.



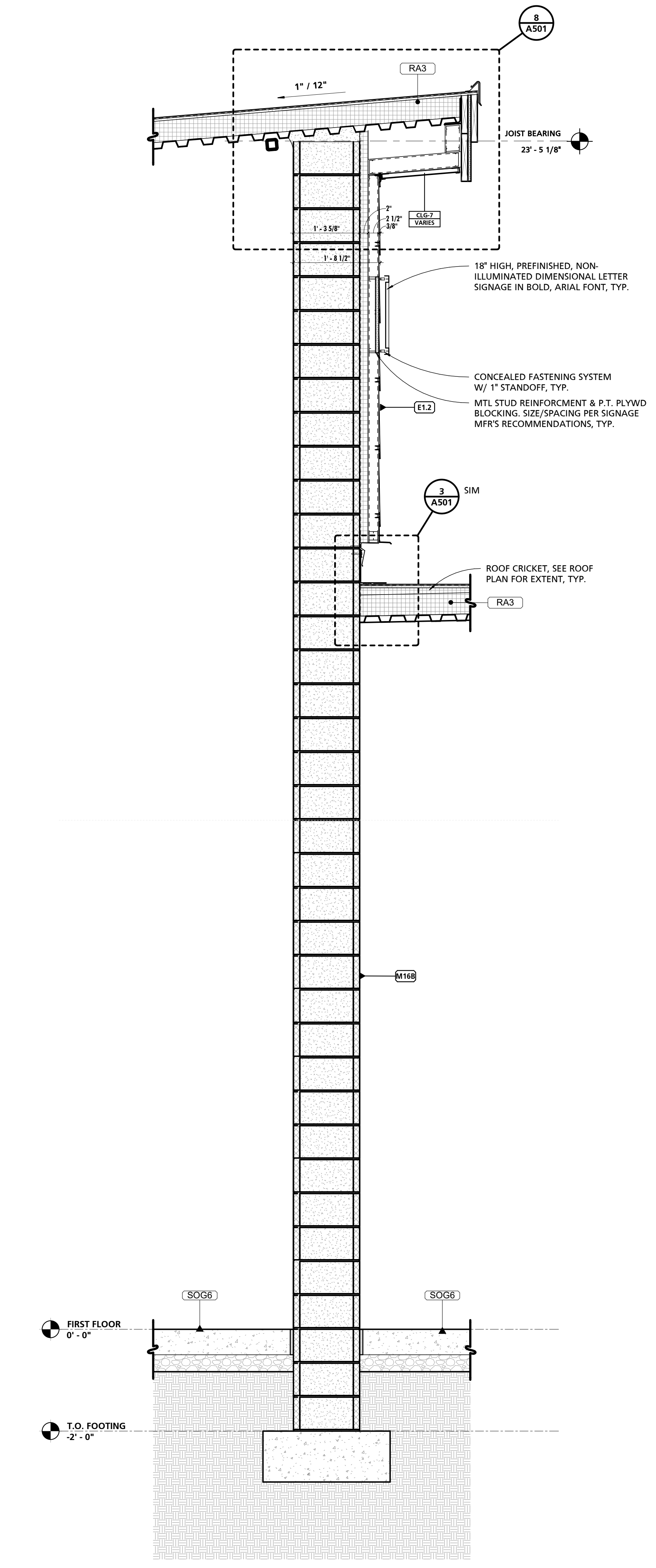
1 TYPICAL WALL SECTION
3/4" = 1'-0"



2 TYPICAL WALL SECTION
3/4" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"



4 TYPICAL WALL SECTION
3/4" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 08-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

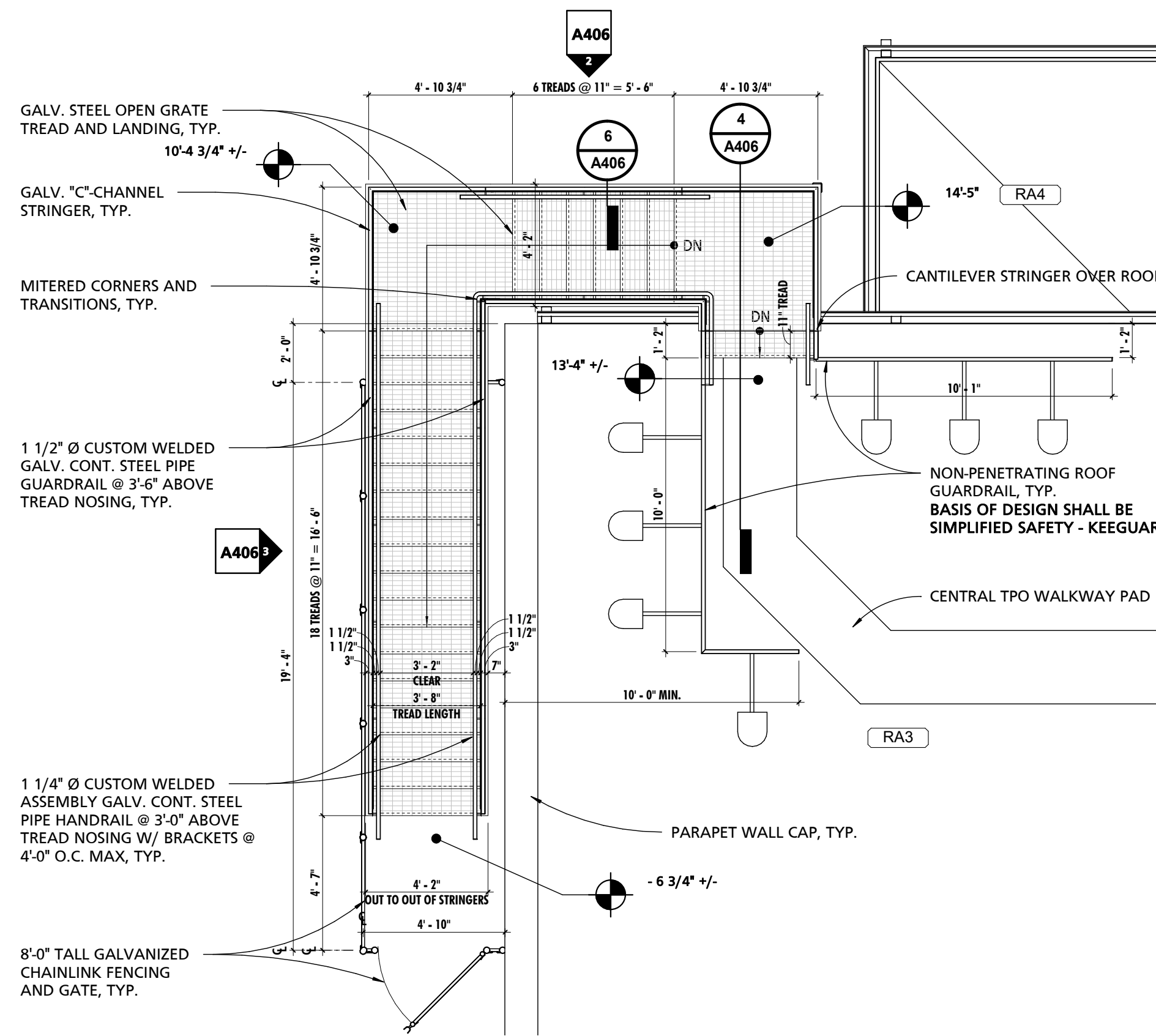
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

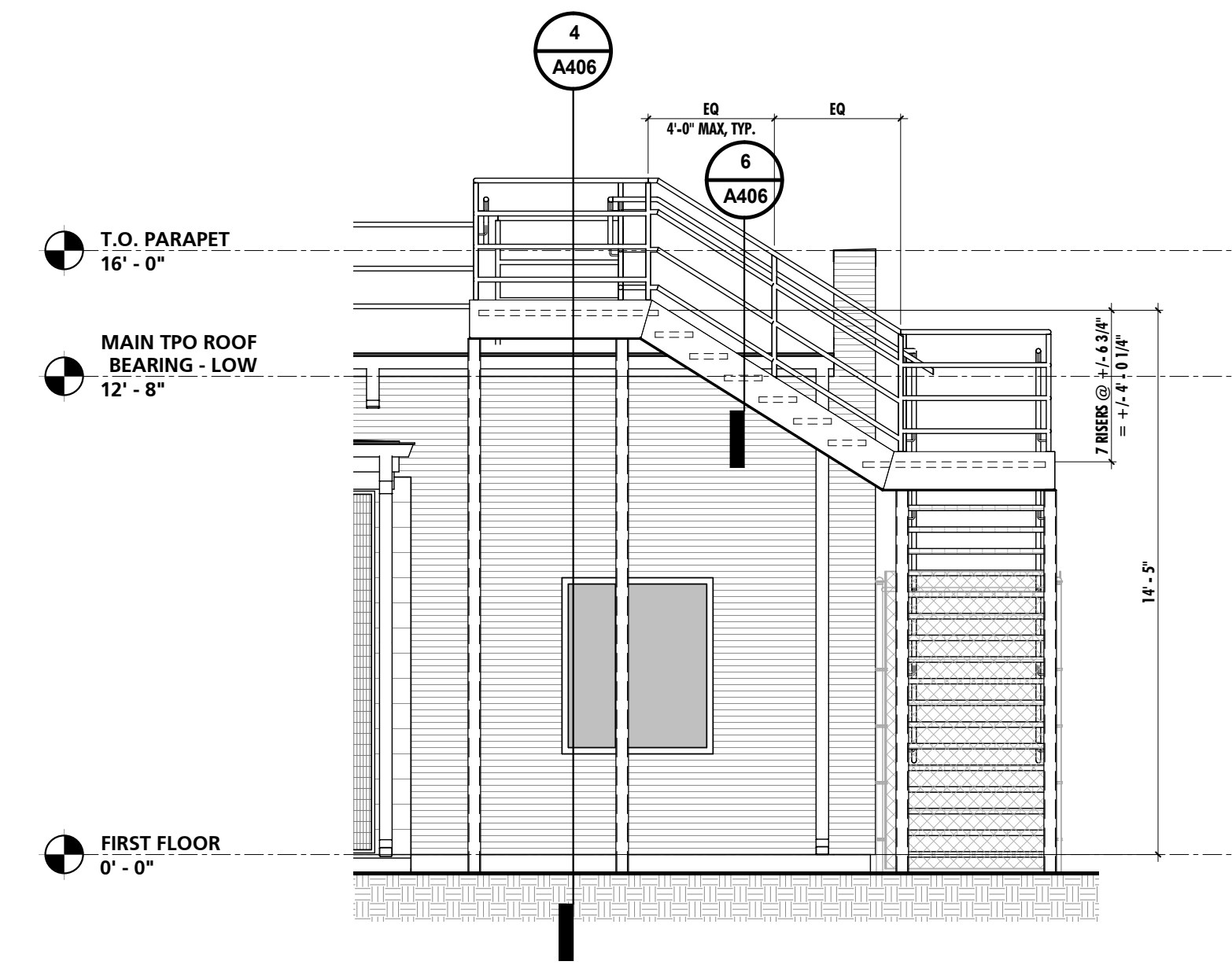
DRAWING TITLE:
EXTERIOR STAIR DETAILS

SHEET NUMBER:
A406

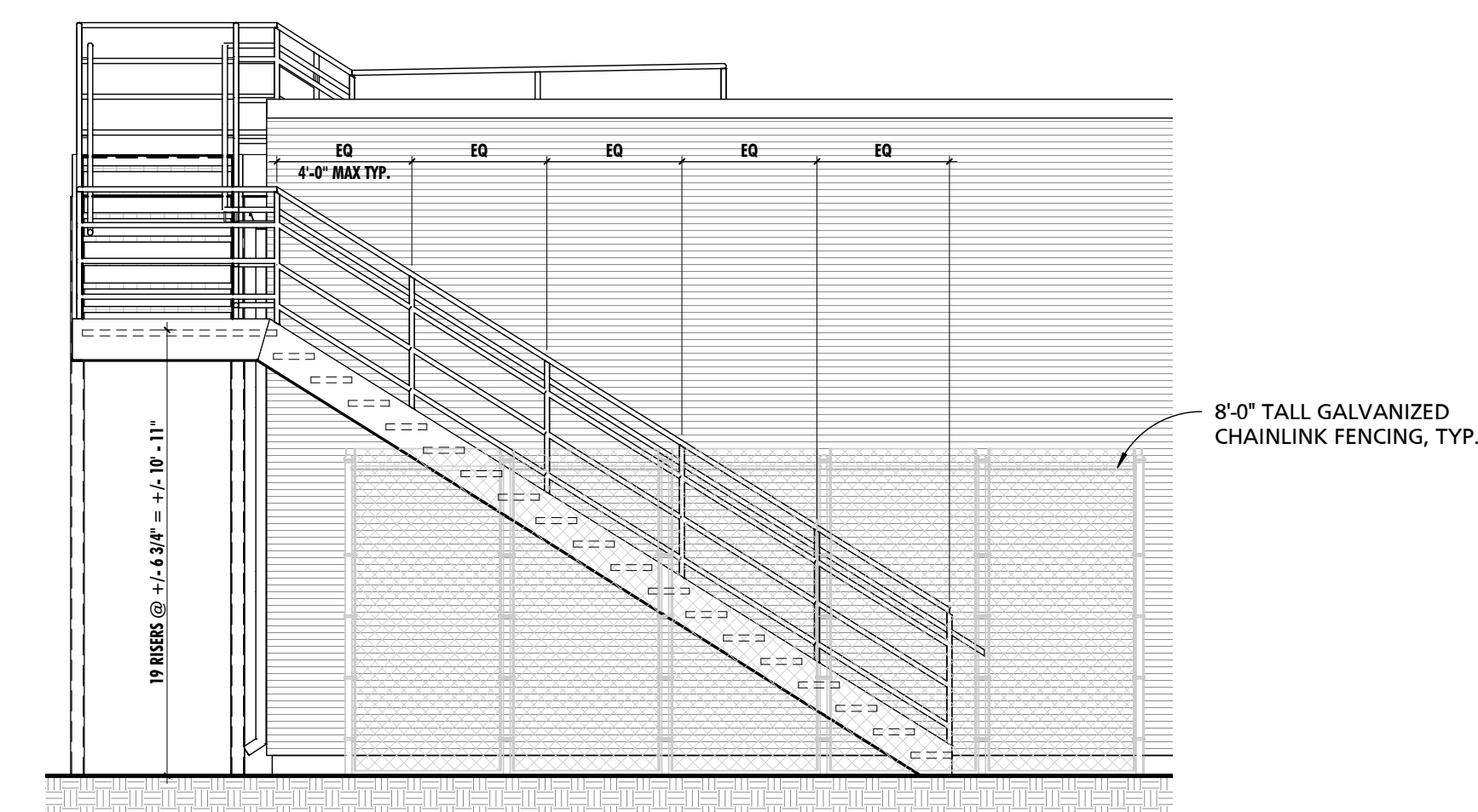
NOTE #	NOTE
1	DELEGATED DESIGN: GENERAL CONTRACTOR SHALL RETAIN A STRUCTURAL ENGINEER REGISTER IN THE STATE OF MARYLAND TO COMPLETE THE STRUCTURAL ENGINEERING DESIGN OF THE STAIRS, HANDRAILS, GUARDS, FOOTINGS, AND ALL ASSOCIATED CONNECTIONS TO MEET THE APPLICABLE BUILDING CODE REQUIREMENTS. GC SHALL SUBMIT SIGNED AND SEALED STRUCTURAL ENGINEERING CALCULATIONS AS PART OF THE SUBMITTAL PROCESS.
2	DESIGN INTENT, GENERAL: BOTH STAIR, HANDRAILS, AND GUARD/RAILS SHALL BE FABRICATED TO MEET THE DESIGN INTENT INDICATED IN THESE DRAWINGS.
3	STRUCTURAL CONNECTIONS OF POSTS TO FRAMING SHALL BE DESIGNED BY GUARD RAIL SYSTEM MANUFACTURER.
4	STAIRS: GALVANIZED STEEL OPEN GRATE TREAD FULLY WELDED TO GALVANIZED STEEL "C" CHANNEL STRINGER.
5	DE-BURR, GRIND WELDS SMOOTH, AND FILL. PROTECT ADJACENT SURFACES FROM WELDING SPATTER, TYPICAL ALL WELDS.
6	SHOP-FABRICATE AND SHOP-WELD TO GREATEST EXTENT FEASIBLE. HOT DIP GALVANIZE AFTER FABRICATION.
7	FIELD-CUT AND FIELD-WELD ONLY WHERE IMPOSSIBLE TO COMPLETE IN SHOP. IMMEDIATELY STRIPE-PAINT ALL FIELD CUTS AND WELDS WITH GALVANIZING REPAIR PAINT.



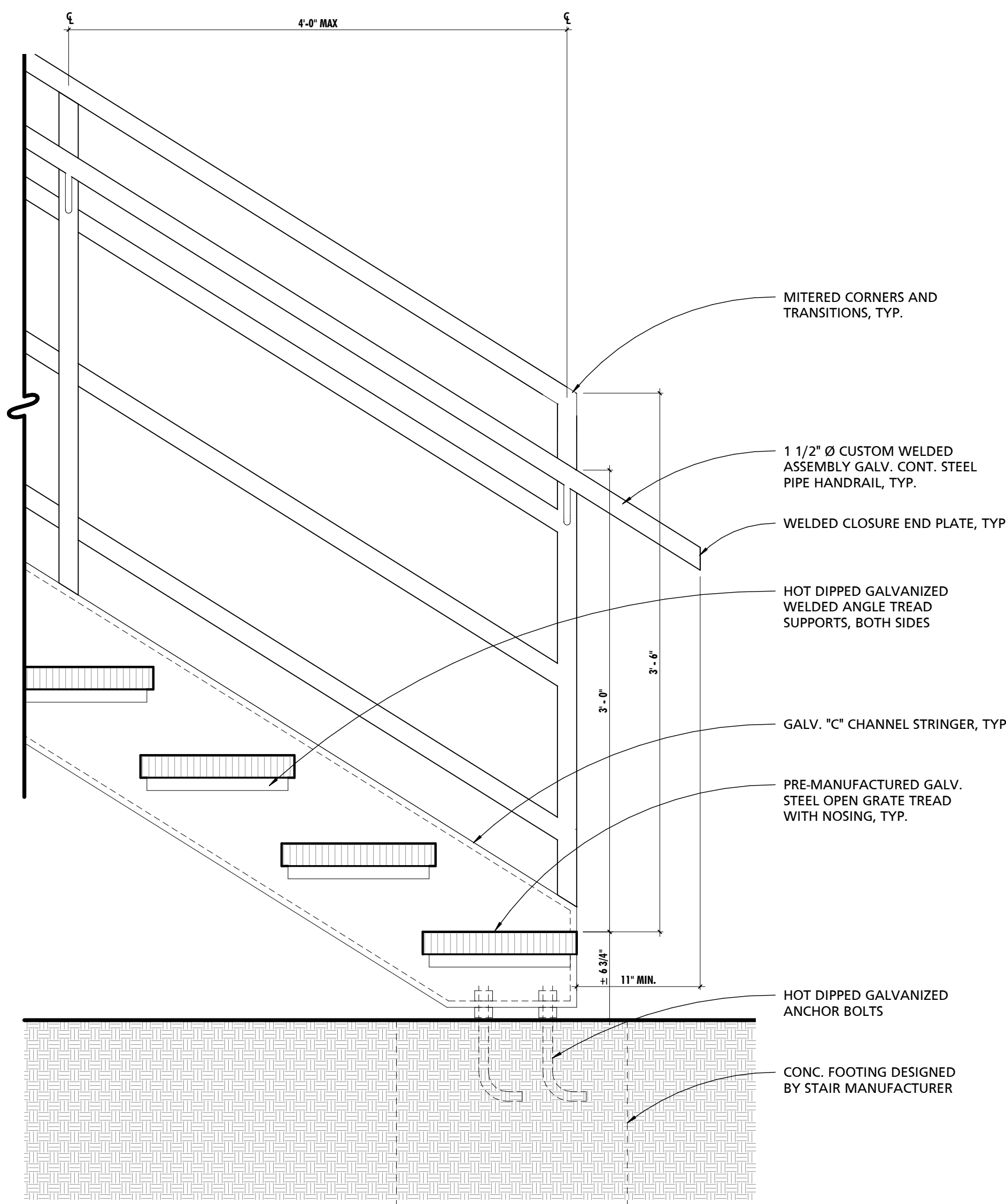
1 EXTERIOR ROOF ACCESS STAIR
1/4" = 1'-0"



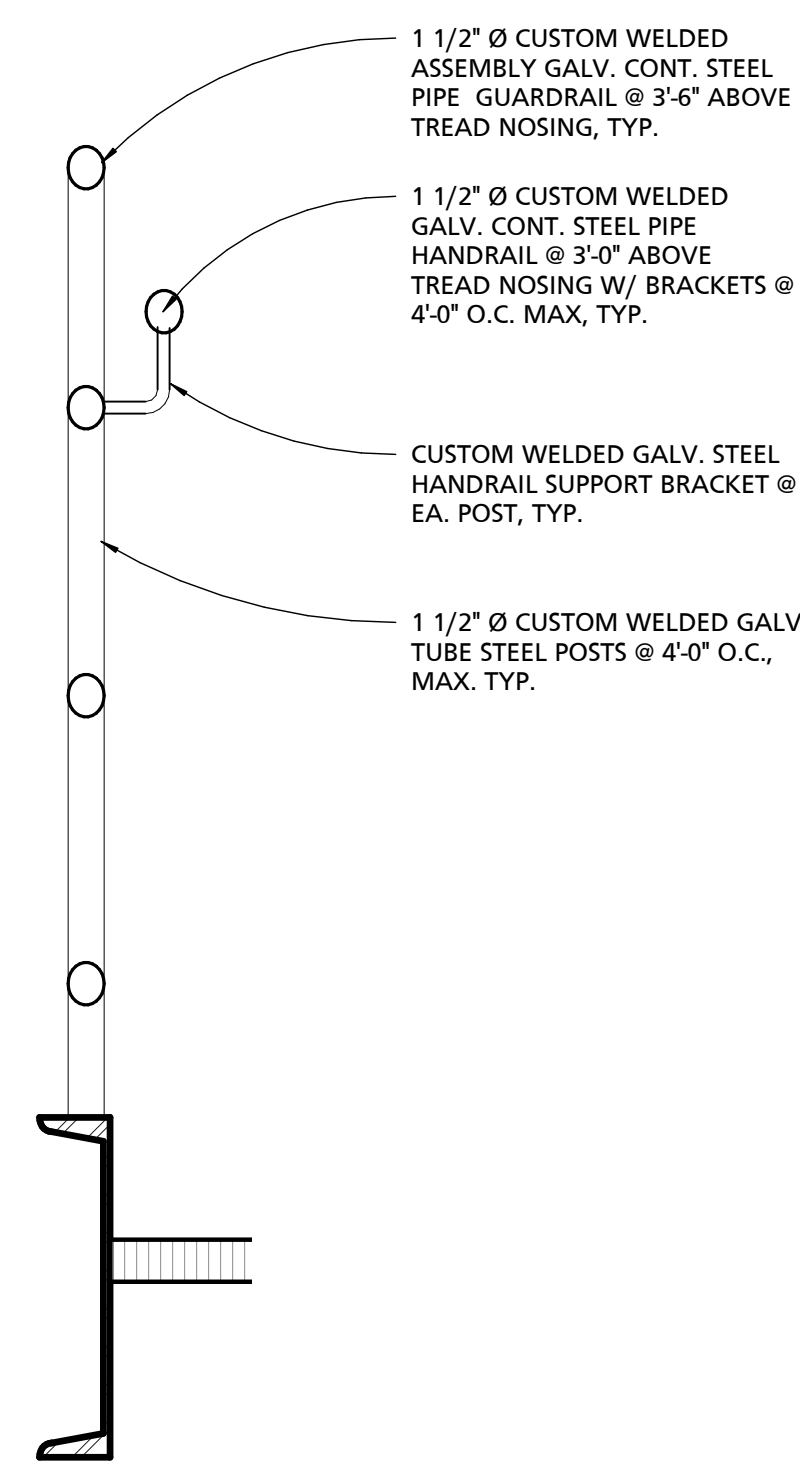
2 EXTERIOR STAIR - NORTH
1/4" = 1'-0"



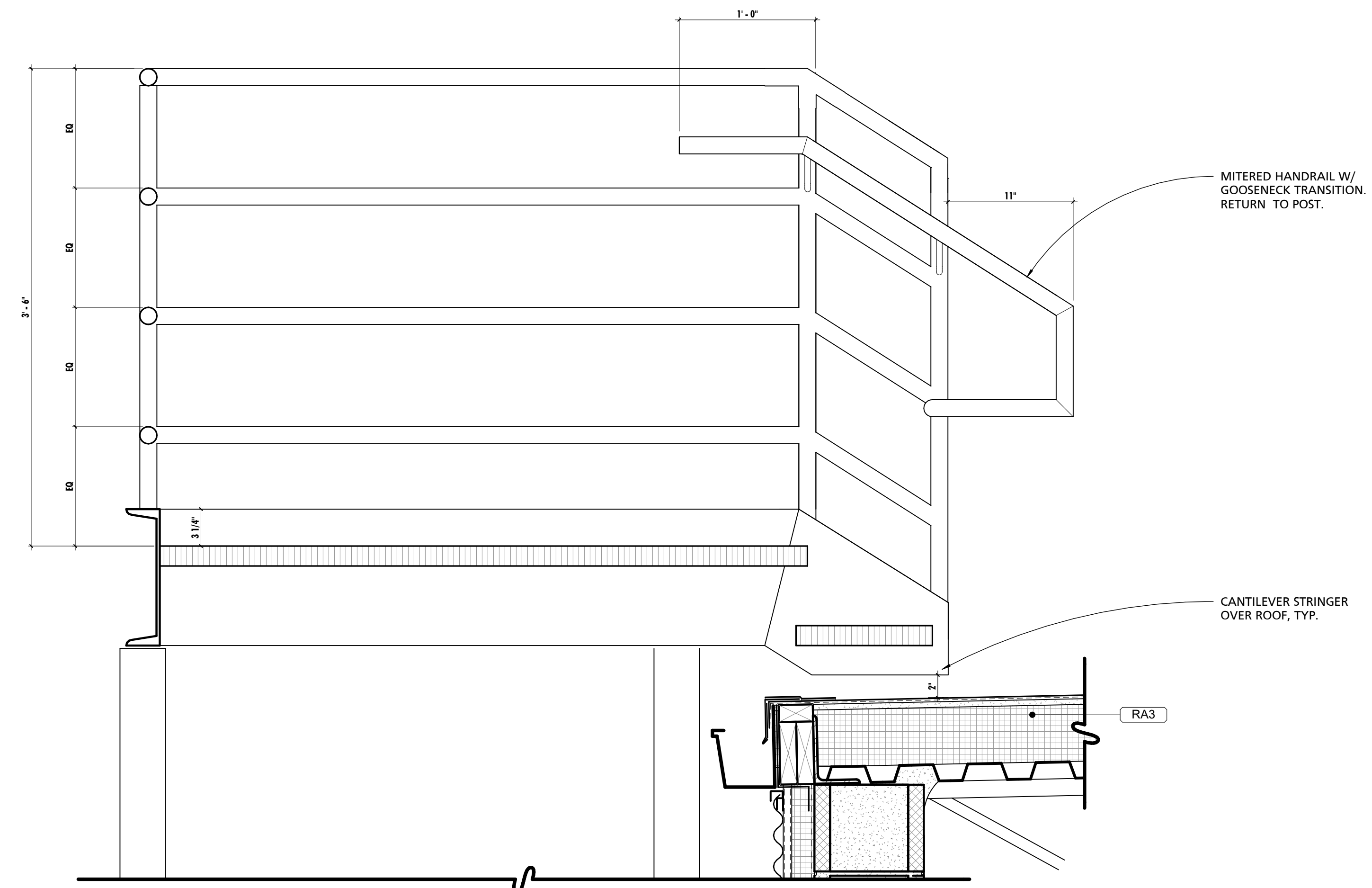
3 EXTERIOR STAIR - WEST
1/4" = 1'-0"



5 TYPICAL TREAD DETAIL
1 1/2" = 1'-0"



6 TYPICAL RAILING DETAIL
1 1/2" = 1'-0"



4 STAIR SECTION AT ROOF
1 1/2" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ROOF PLAN

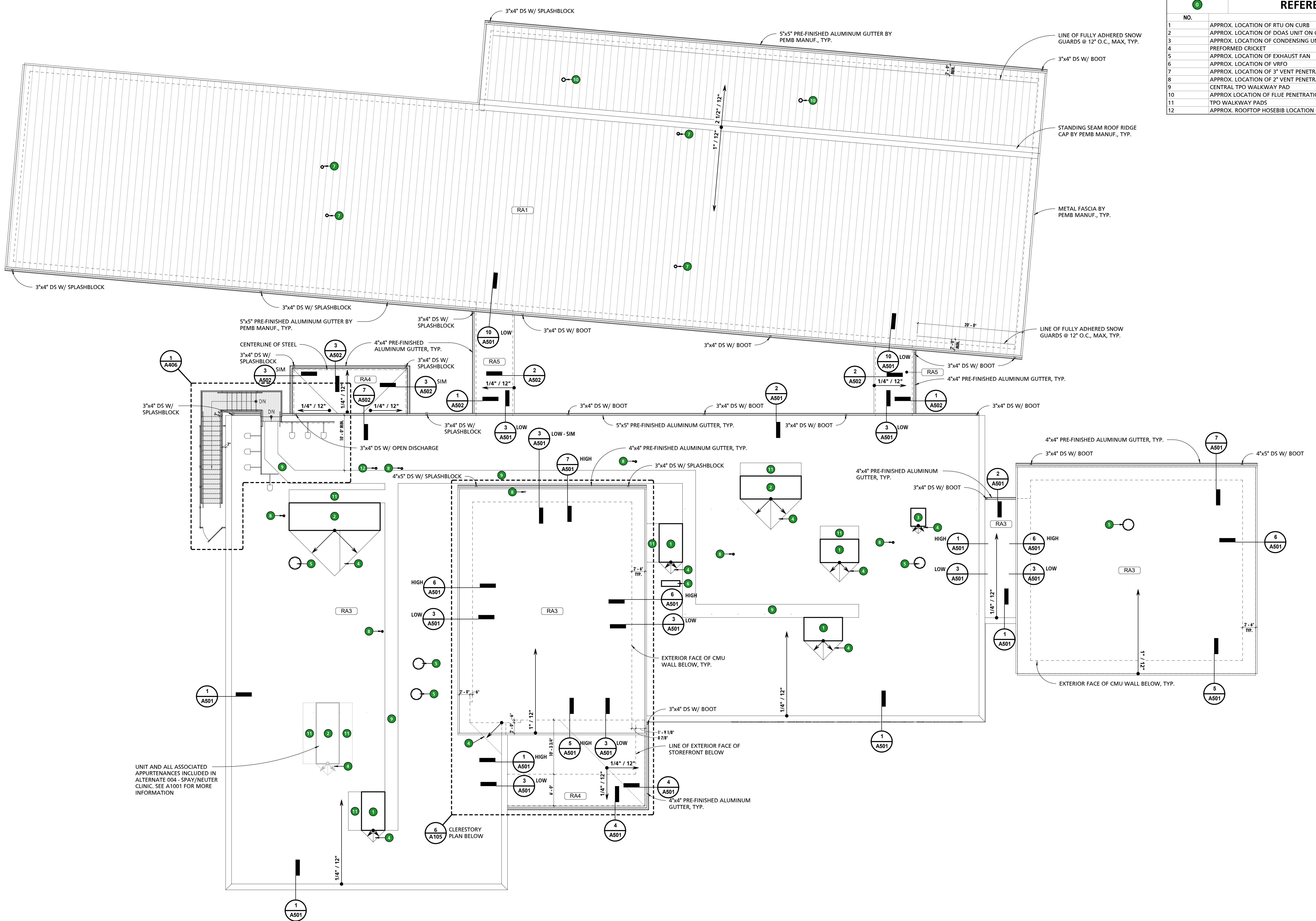
SHEET NUMBER:
A500

12/20/2019 9:32:26 AM

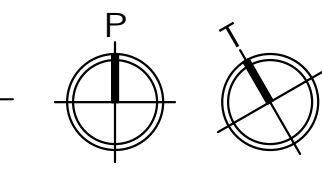
MARK	DESCRIPTION
RA1	PEMB STANDING SEAM ROOF OVER 9 1/2" PURLINS W/ THERMAL BLOCKING, (1) LAYER MIN R-19 BATT INSULATION, (1) LAYER MIN R-11 BATT INSULATION AND A VAPOR BARRIER LINER SYSTEM
RA3	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, 5" RIGID INSULATION AND SLOPED 1 1/2" METAL DECK
RA4	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 1" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK
RA5	FULLY ADHERED TPO ROOFING OVER 1/2" GYPSUM SHEATHING, MIN 5" TAPERED RIGID INSULATION AND 1 1/2" METAL DECK

NOTE #	NOTE
1	BLOCKING/MISCELLANEOUS FRAMING INDICATED WITHIN THE DOCUMENTS IS SHOWN FOR THE PURPOSES OF DESIGN INTENT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY, WHETHER SHOWN OR NOT SHOWN, TO PROVIDE BLOCKING/MISCELLANEOUS FRAMING AS REQUIRED TO PROPERLY SUPPORT ALL SUBSTRATES, FLASHINGS, COPINGS, BRAKE METAL, SOFFITS, INSULATIONS, CLIPS, STOPS, MISCELLANEOUS ITEMS, ROOFING MEMBRANES OR SYSTEMS AND SIMILAR ITEMS REQUIRED TO COMPLETE THE WORK. WHERE ADDITIONAL BLOCKING/MISCELLANEOUS FRAMING, INCLUDING BUT NOT LIMITED TO THE REPLACEMENT OF INDICATED SHEATHING/DECKING, IS RECOMMENDED BY ONE OF THE ASSEMBLY COMPONENTS MANUFACTURER, THE CONTRACTOR SHALL PROVIDE AND INSTALL SUCH BLOCKING/MISCELLANEOUS FRAMING TO COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
2	CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL ROOFING SUBSTRATE REQUIREMENTS TO ENSURE SUCCESSFUL INSTALLATION OF ROOFING MATERIALS IN A MANNER THAT MAINTAINS THE FULL PRODUCT WARRANTY AND COMPLIES WITH ALL APPLICABLE BUILDING CODES OF THE AHJ.

NO.	NOTE
1	APPROX. LOCATION OF RTU ON CURB
2	APPROX. LOCATION OF DOAS UNIT ON CURB
3	APPROX. LOCATION OF CONDENSING UNIT
4	PERFORMED CRICKET
5	APPROX. LOCATION OF EXHAUST FAN
6	APPROX. LOCATION OF VRFO
7	APPROX. LOCATION OF 3" VENT PENETRATION
8	APPROX. LOCATION OF 2" VENT PENETRATION
9	CENTRAL TPO WALKWAY PAD
10	APPROX. LOCATION OF FLUE PENETRATION
11	TPO WALKWAY PADS
12	APPROX. ROOFTOP HOSEBIB LOCATION



1 ROOF PLAN
1/8" = 1'-0"



SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

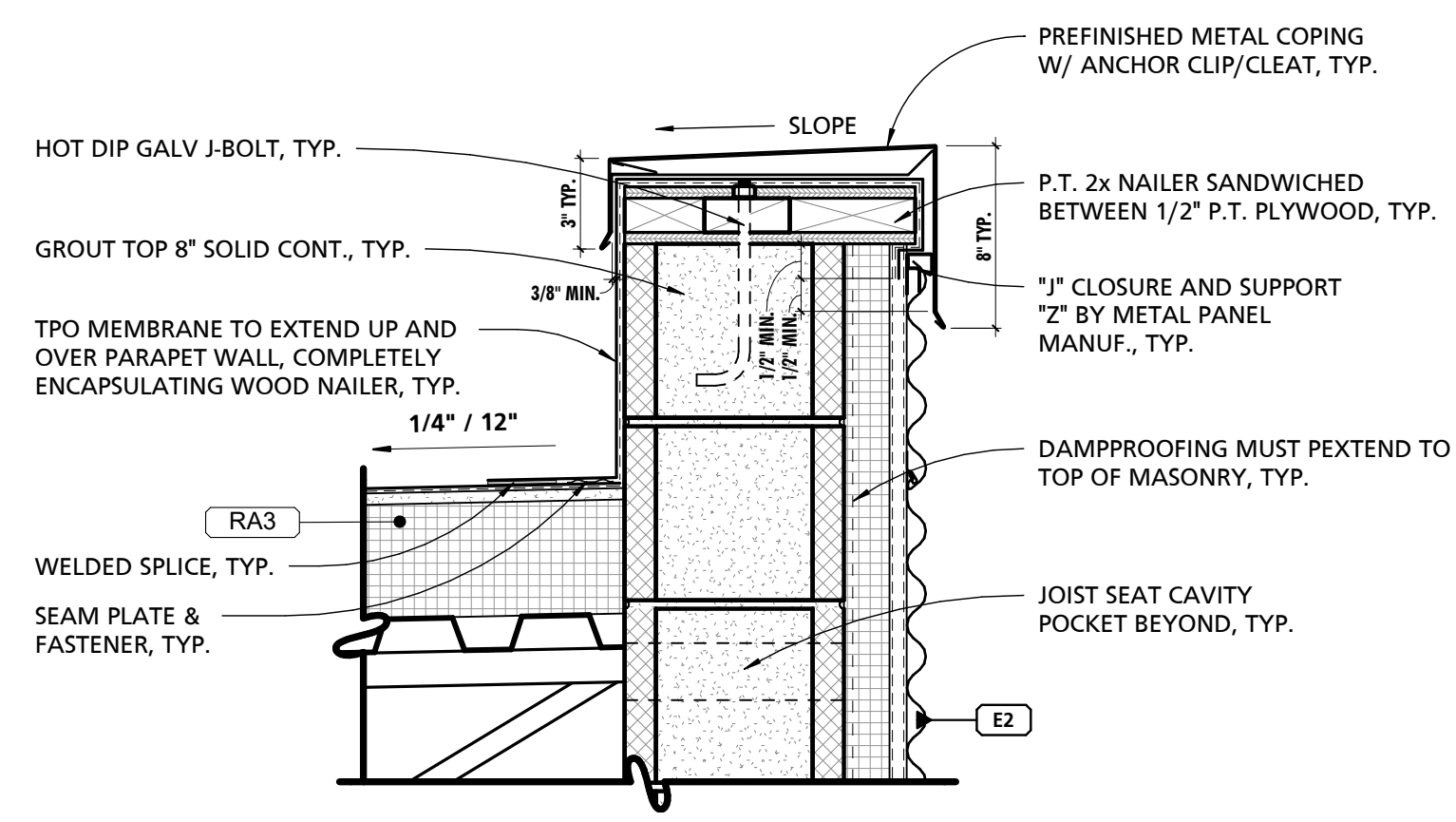
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

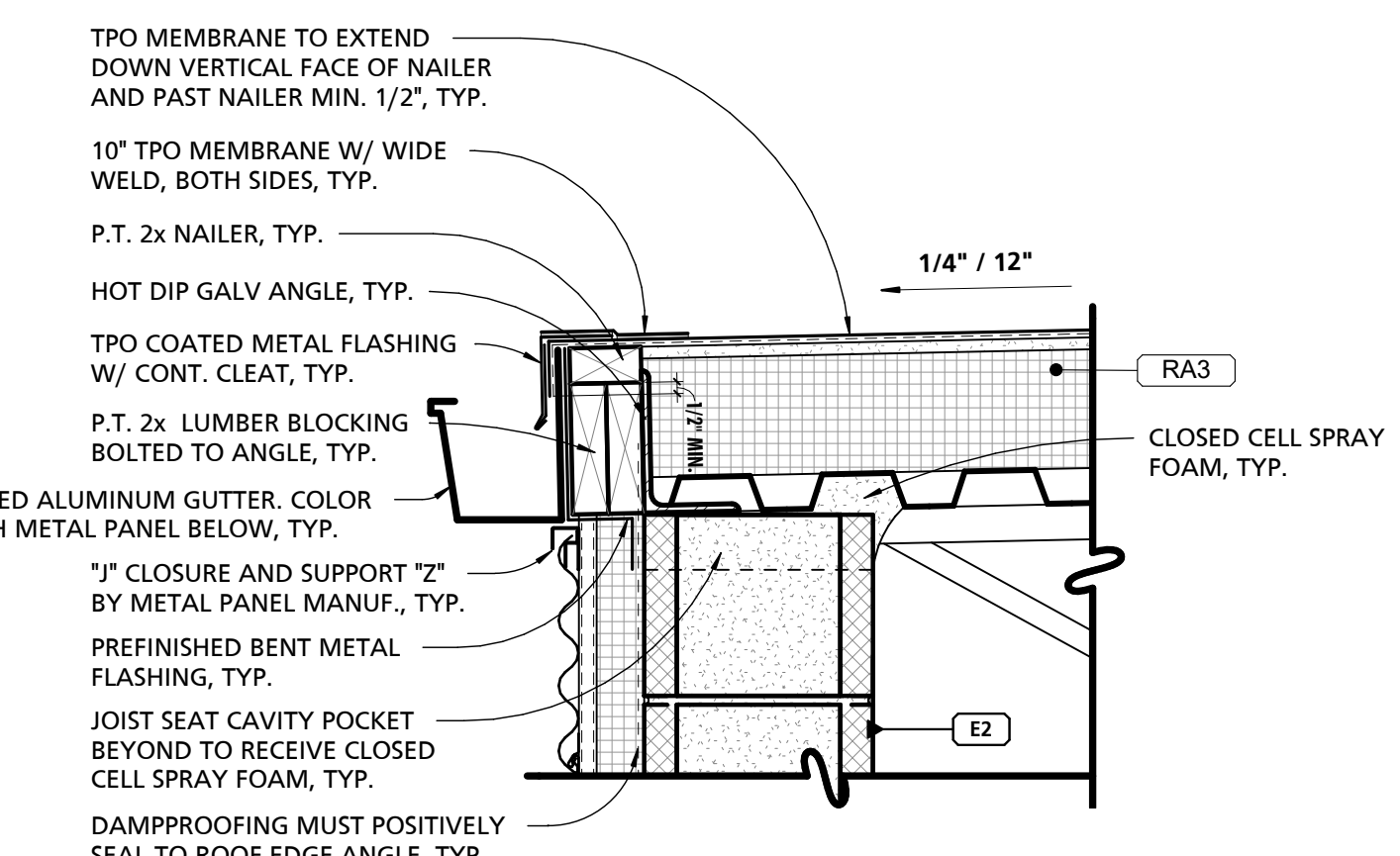
DRAWING TITLE:
ROOF EDGE DETAILS

SHEET NUMBER:
A501

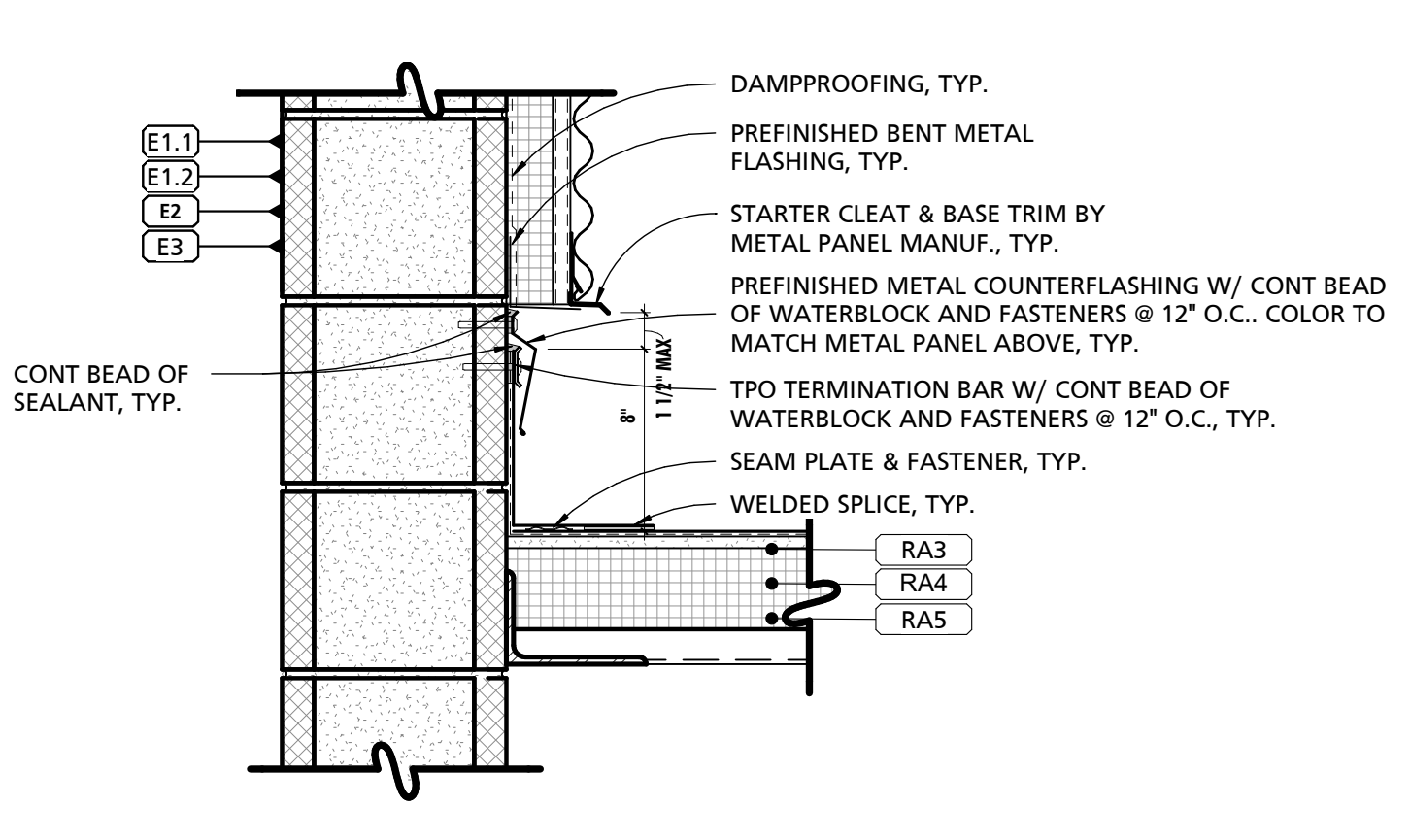
1/20/2019 9:32:30 AM



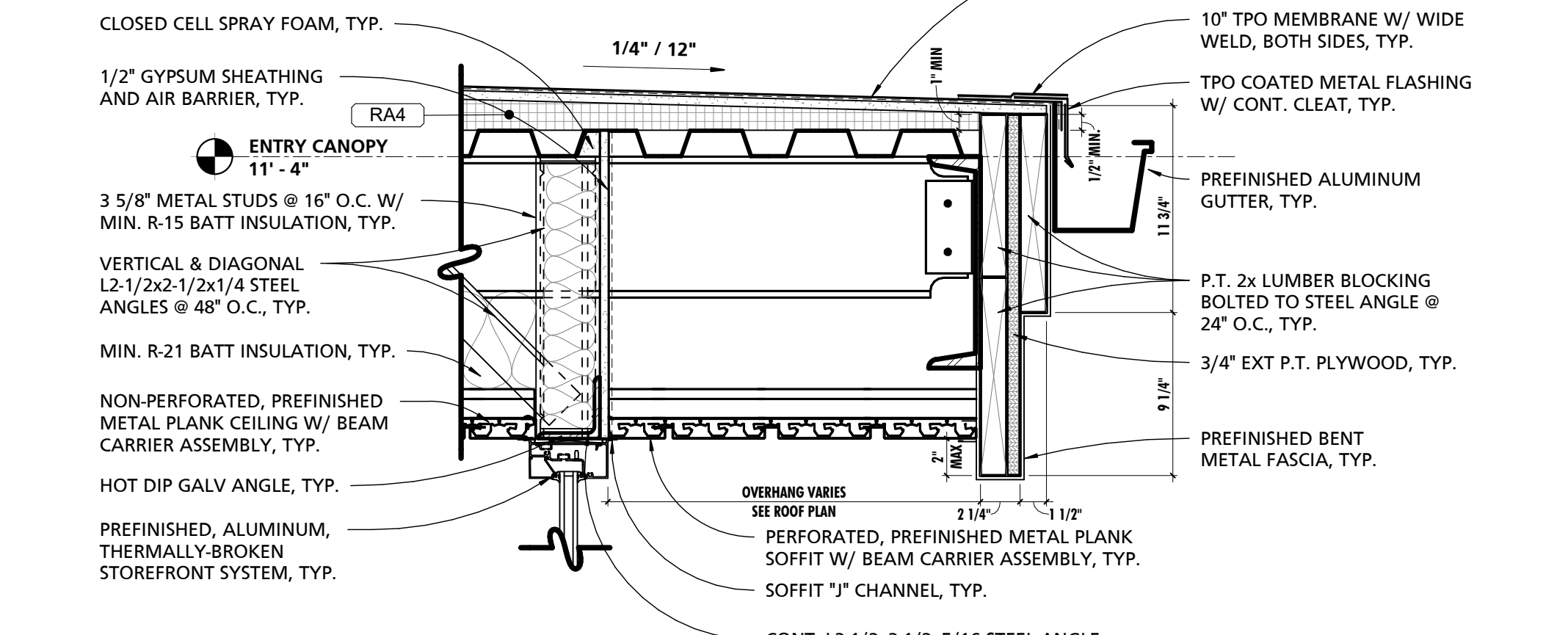
1 TYP. TPO ROOF PARAPET DETAIL
1 1/2" = 1'-0"



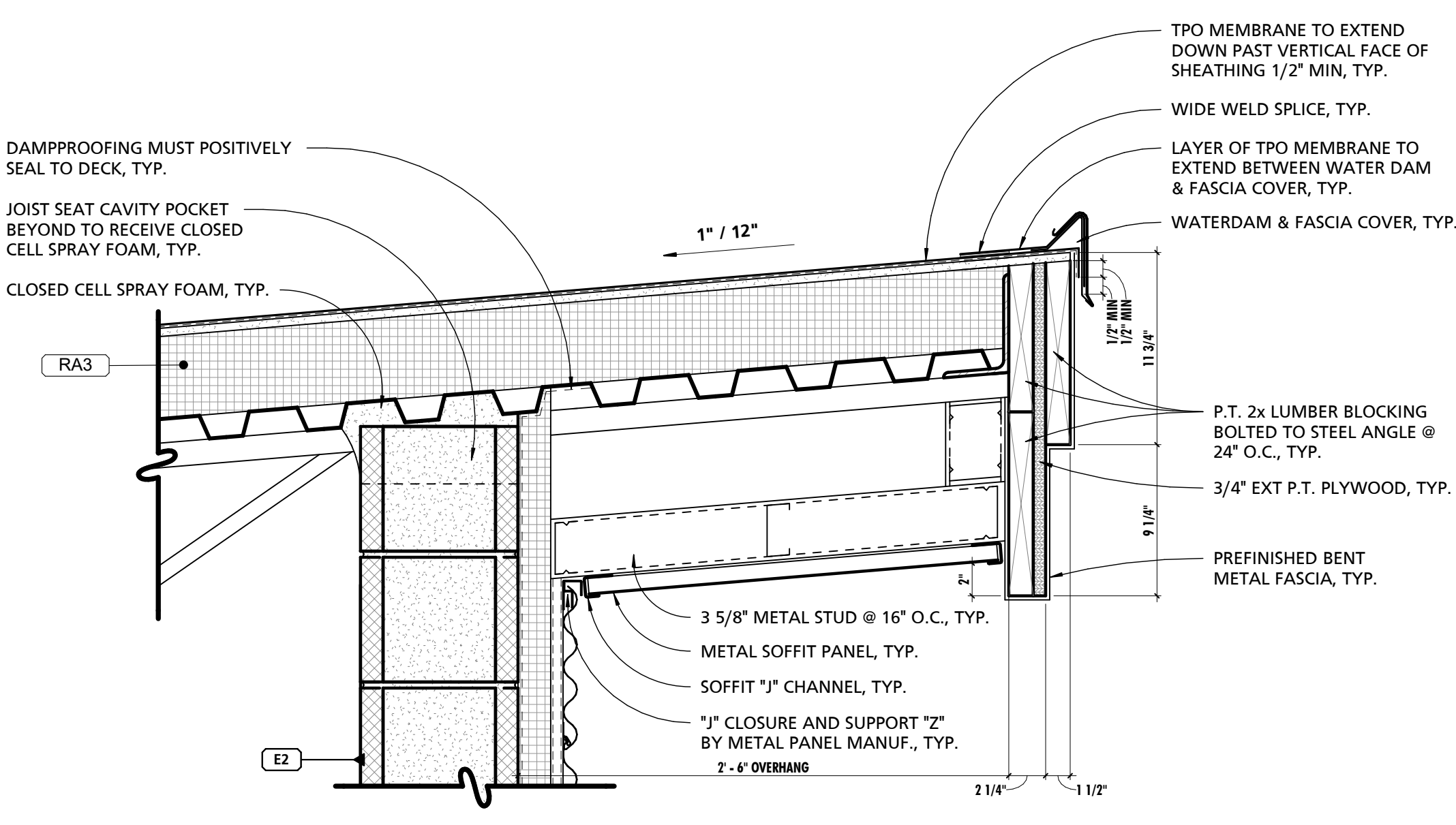
2 TYP. TPO ROOF EDGE DETAIL AT GUTTER
1 1/2" = 1'-0"



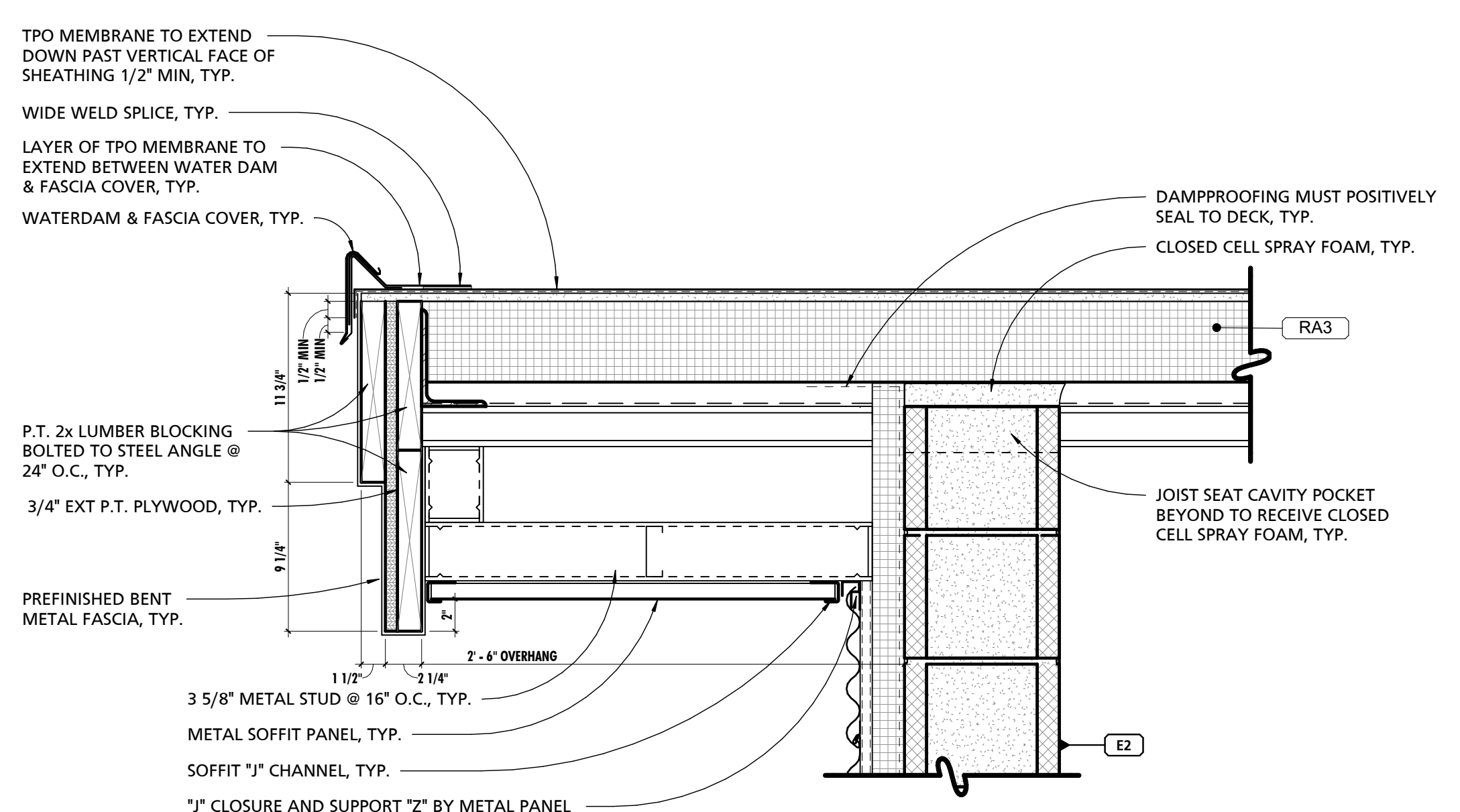
3 TYP. TPO TERMINATION DETAIL
1 1/2" = 1'-0"



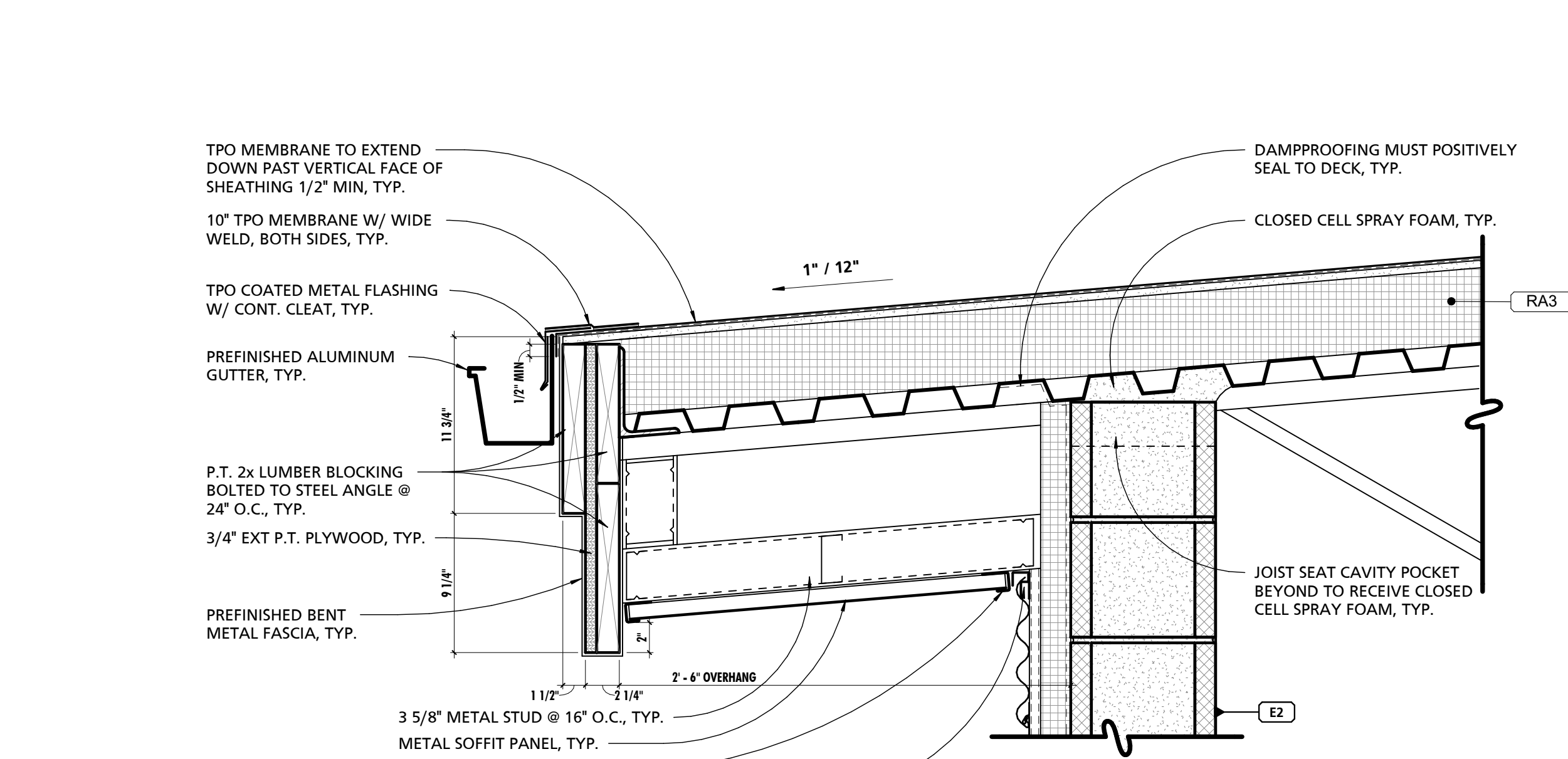
4 TYP. TPO ROOF EDGE AT CANOPY
1 1/2" = 1'-0"



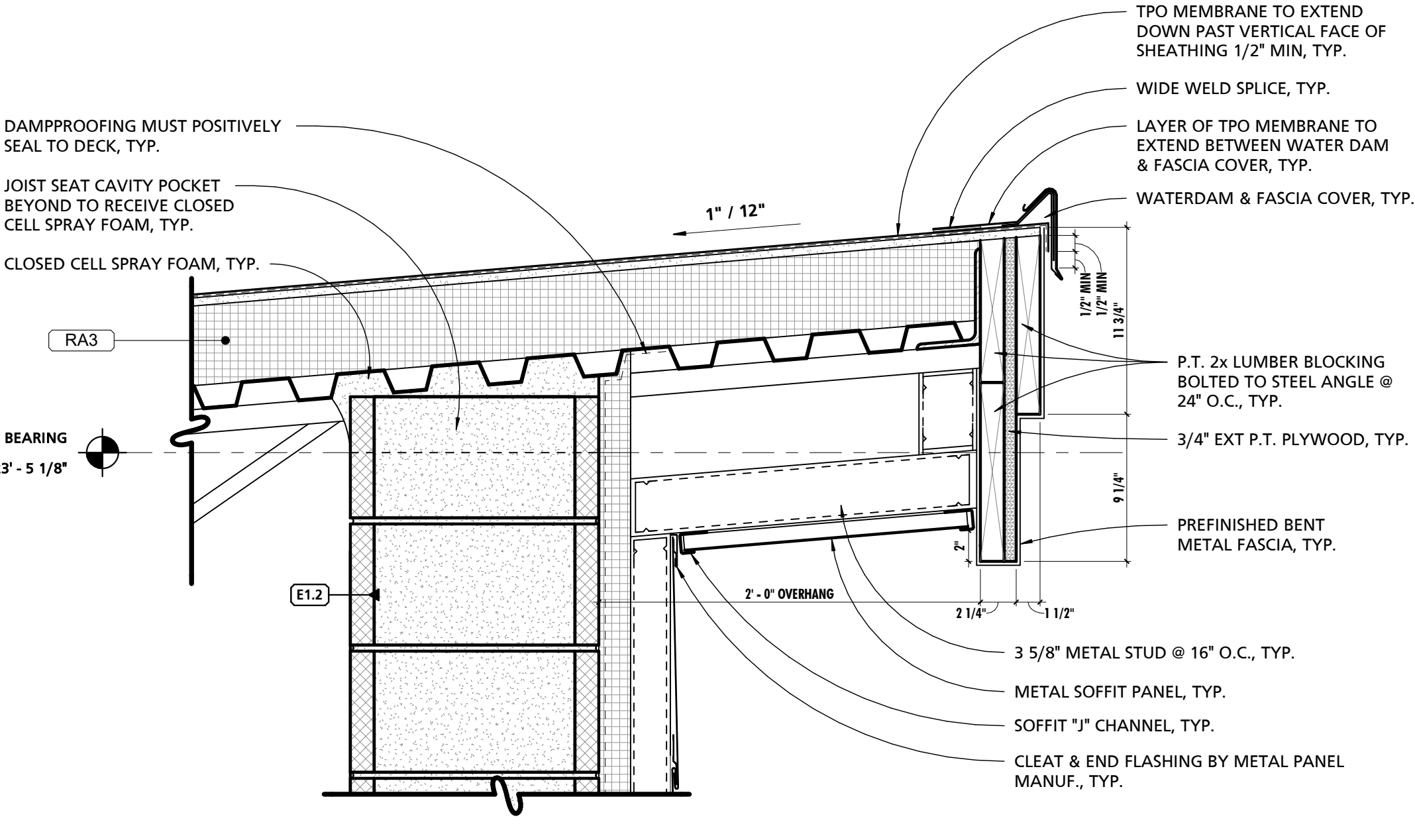
5 TYP. TPO ROOF HIGH EAVE DETAIL AT WALL TYPE E2
1 1/2" = 1'-0"



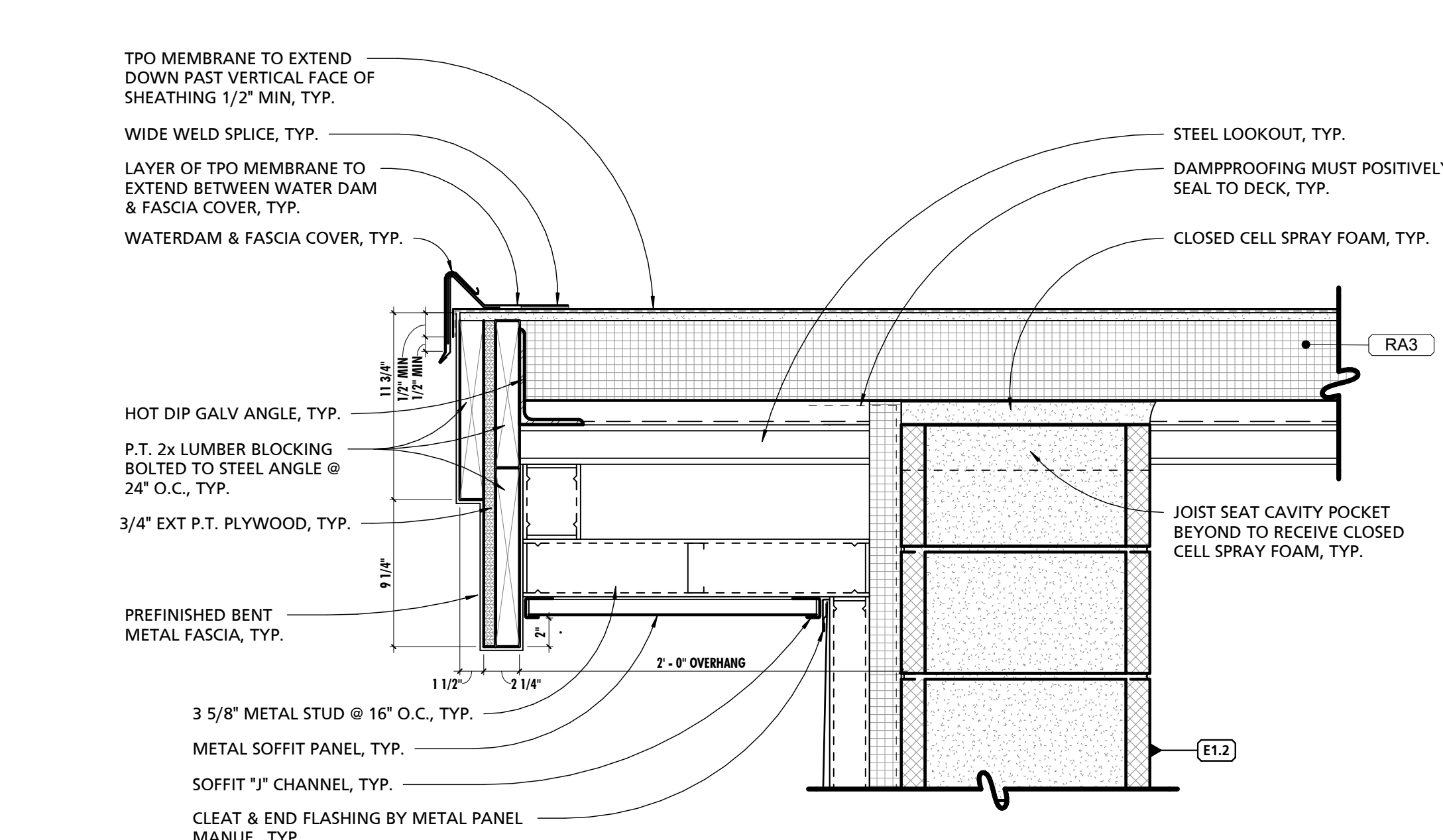
6 TYP. TPO ROOF RAKE DETAIL AT WALL TYPE E2
1 1/2" = 1'-0"



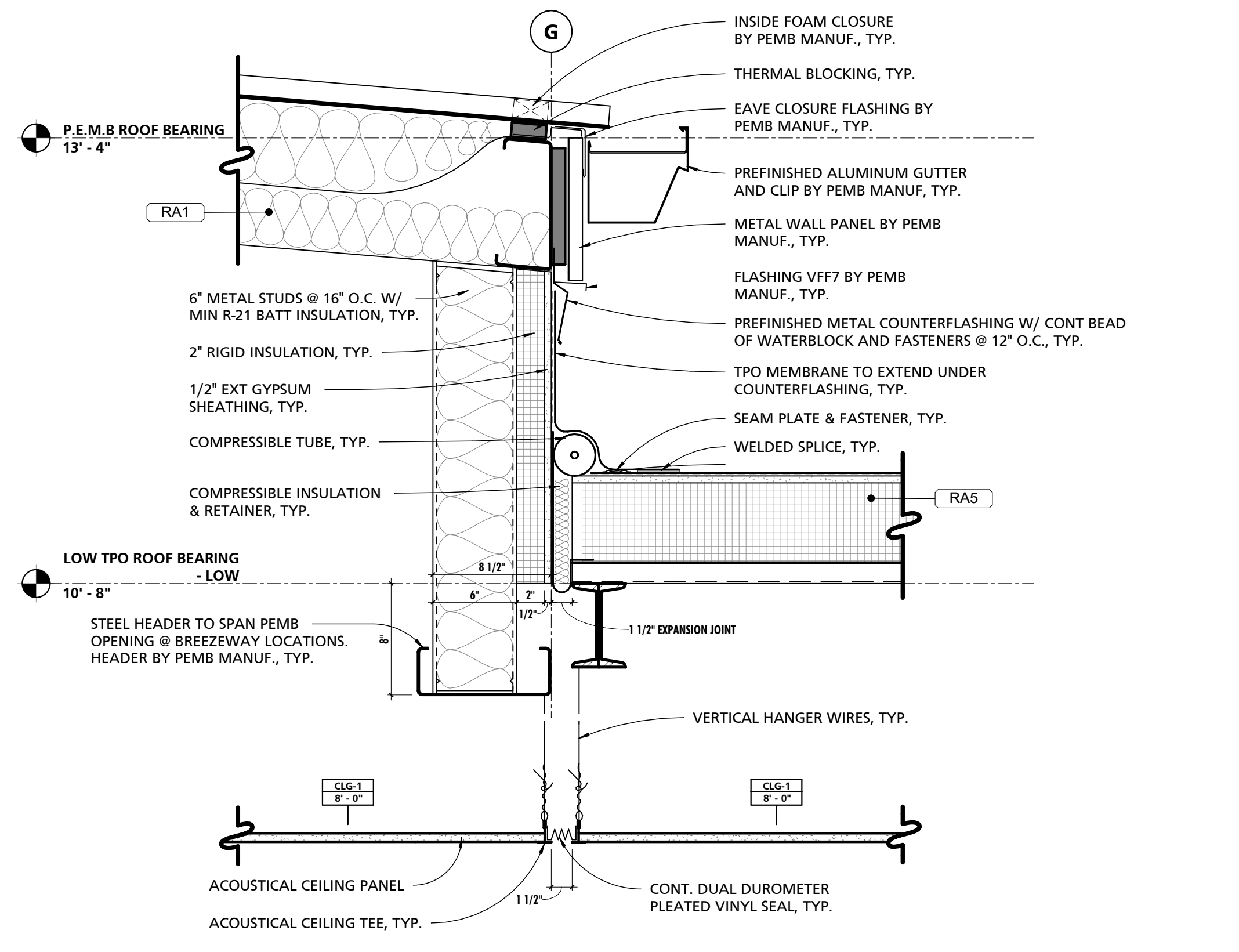
7 TYP. TPO ROOF LOW EAVE DETAIL
1 1/2" = 1'-0"



8 TYP. TPO ROOF HIGH EAVE DETAIL AT WALL TYPE E1.2
1 1/2" = 1'-0"



9 TYP. TPO ROOF RAKE DETAIL AT WALL TYPE E1.2
1 1/2" = 1'-0"



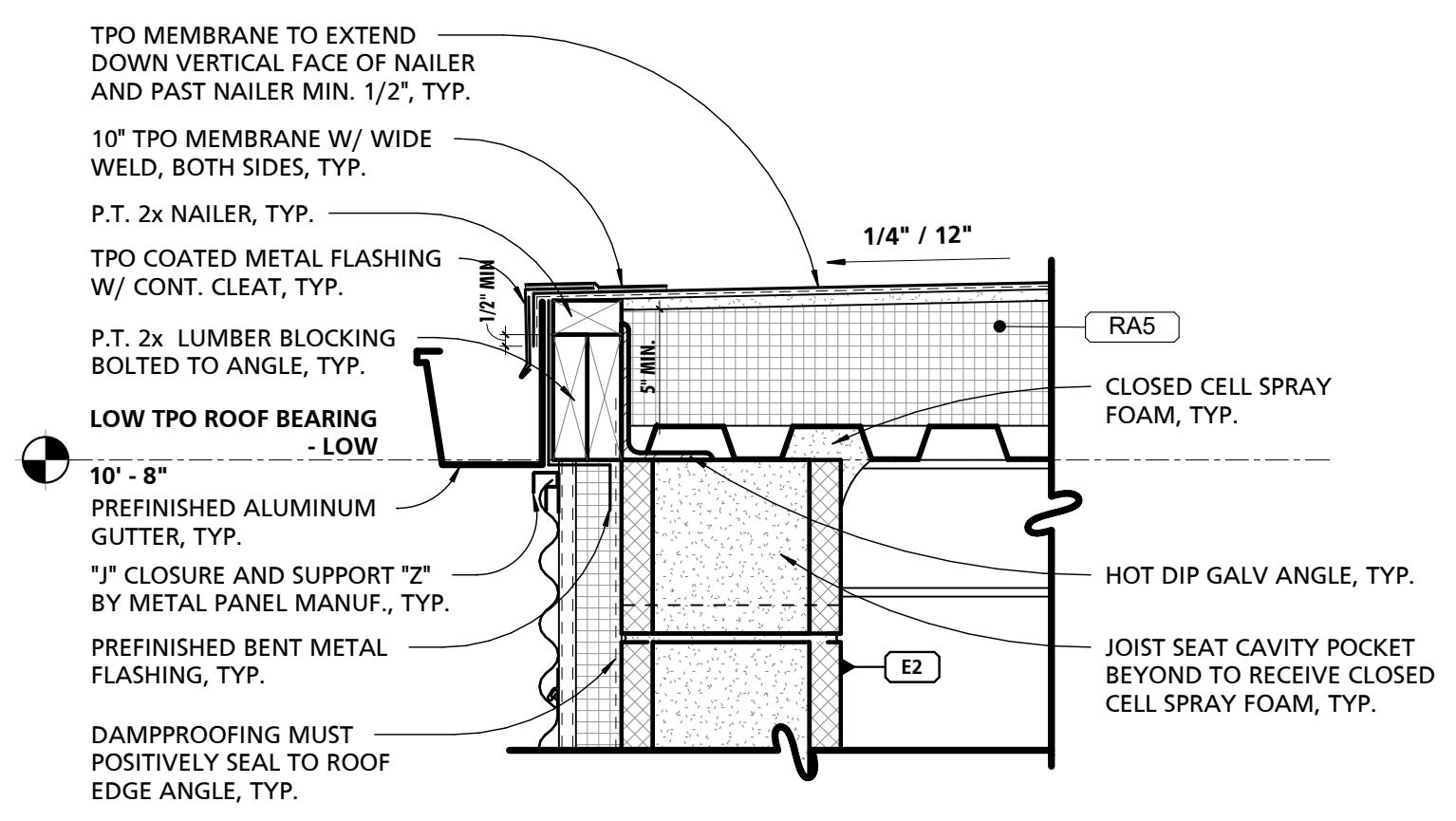
10 TYP. TPO ROOF TERMINATION AT PEMB
1 1/2" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505. EXPIRATION DATE: 08-18-2025

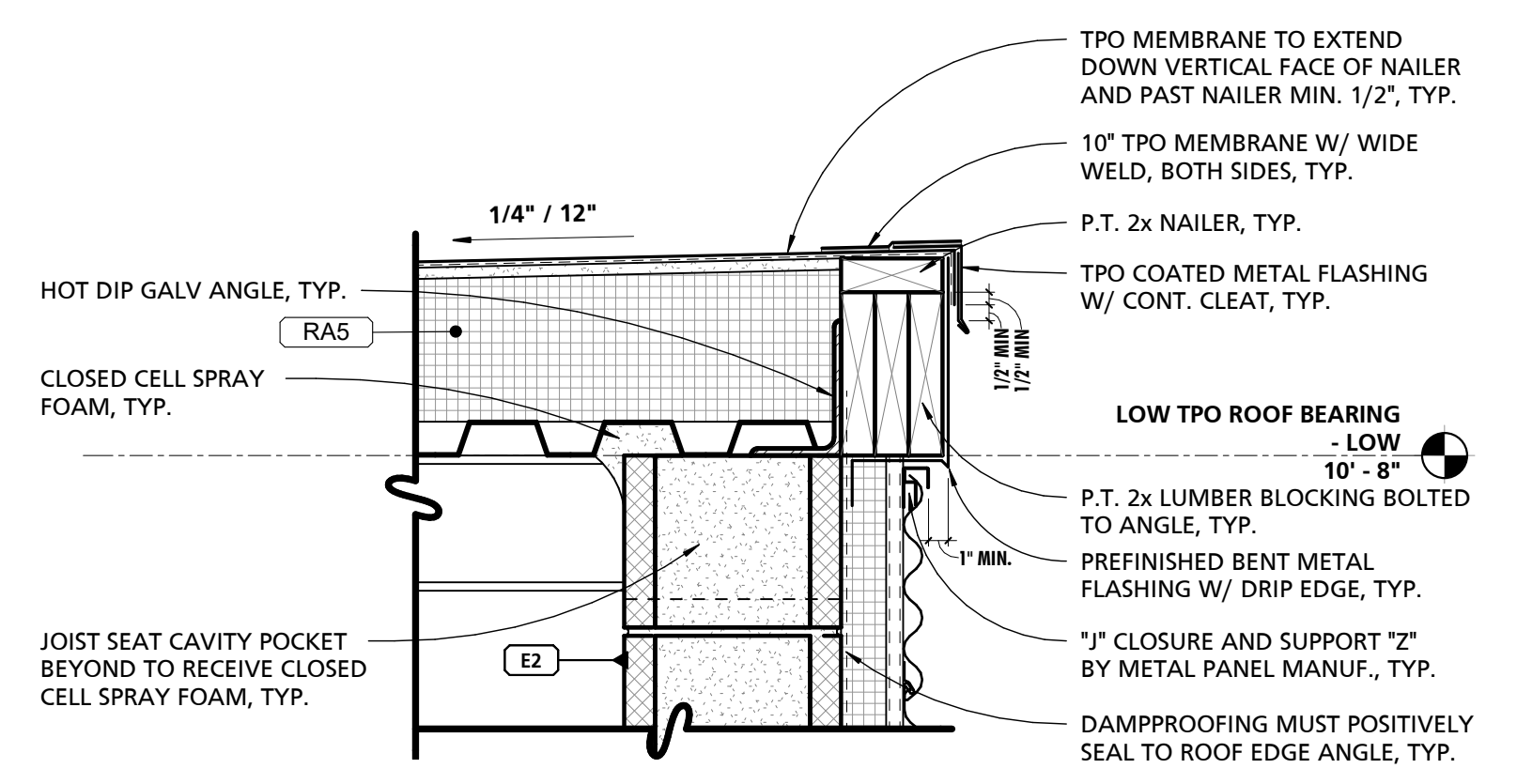


CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

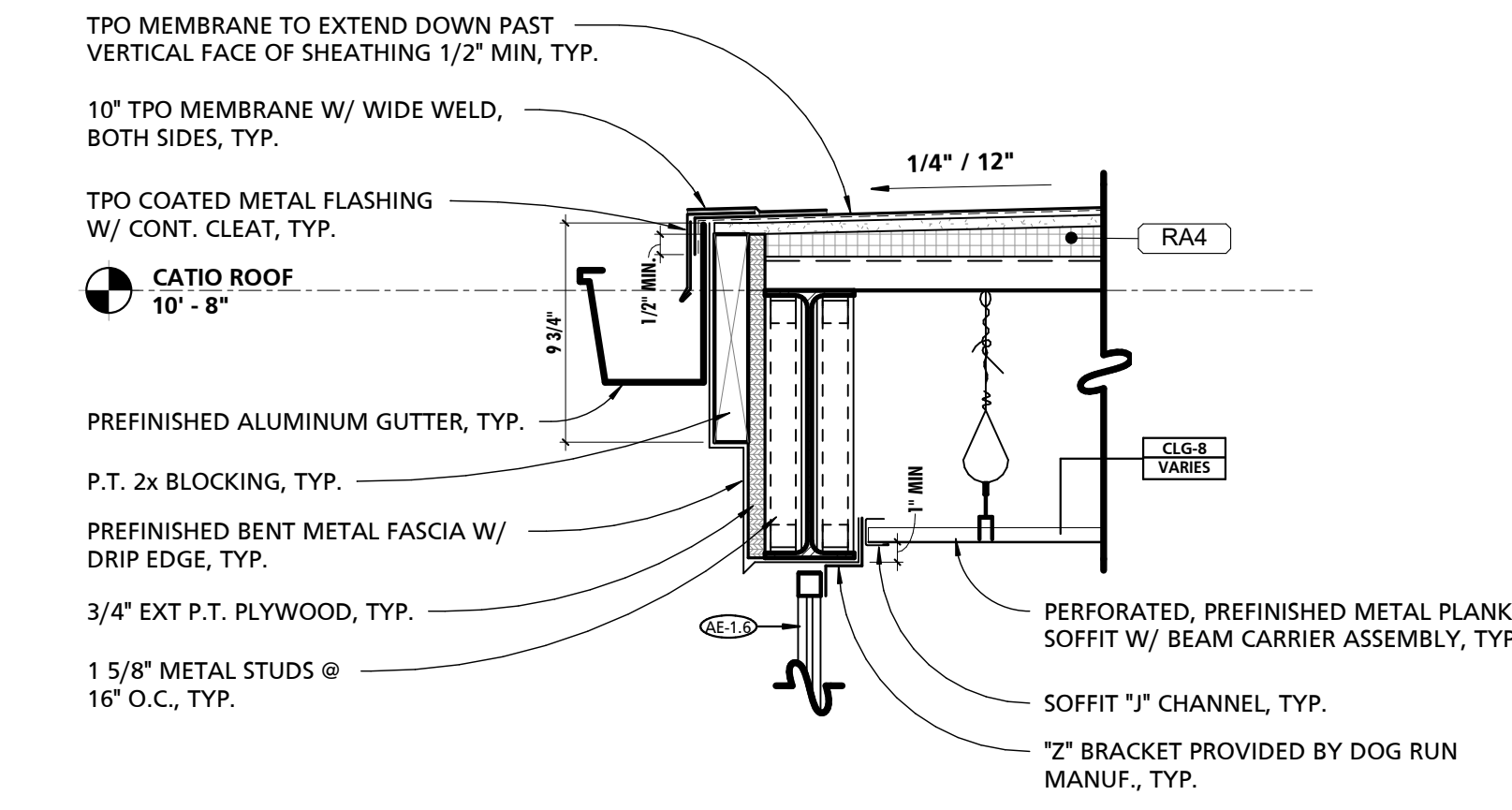
NO.	DESCRIPTION	DATE
PROJECT NUMBER:	18-034	
PROJECT SET:	PERMIT	
DATE ISSUED:	12/23/2019	
DRAWING TITLE:	ROOF EDGE DETAILS	
SHEET NUMBER:	A502	



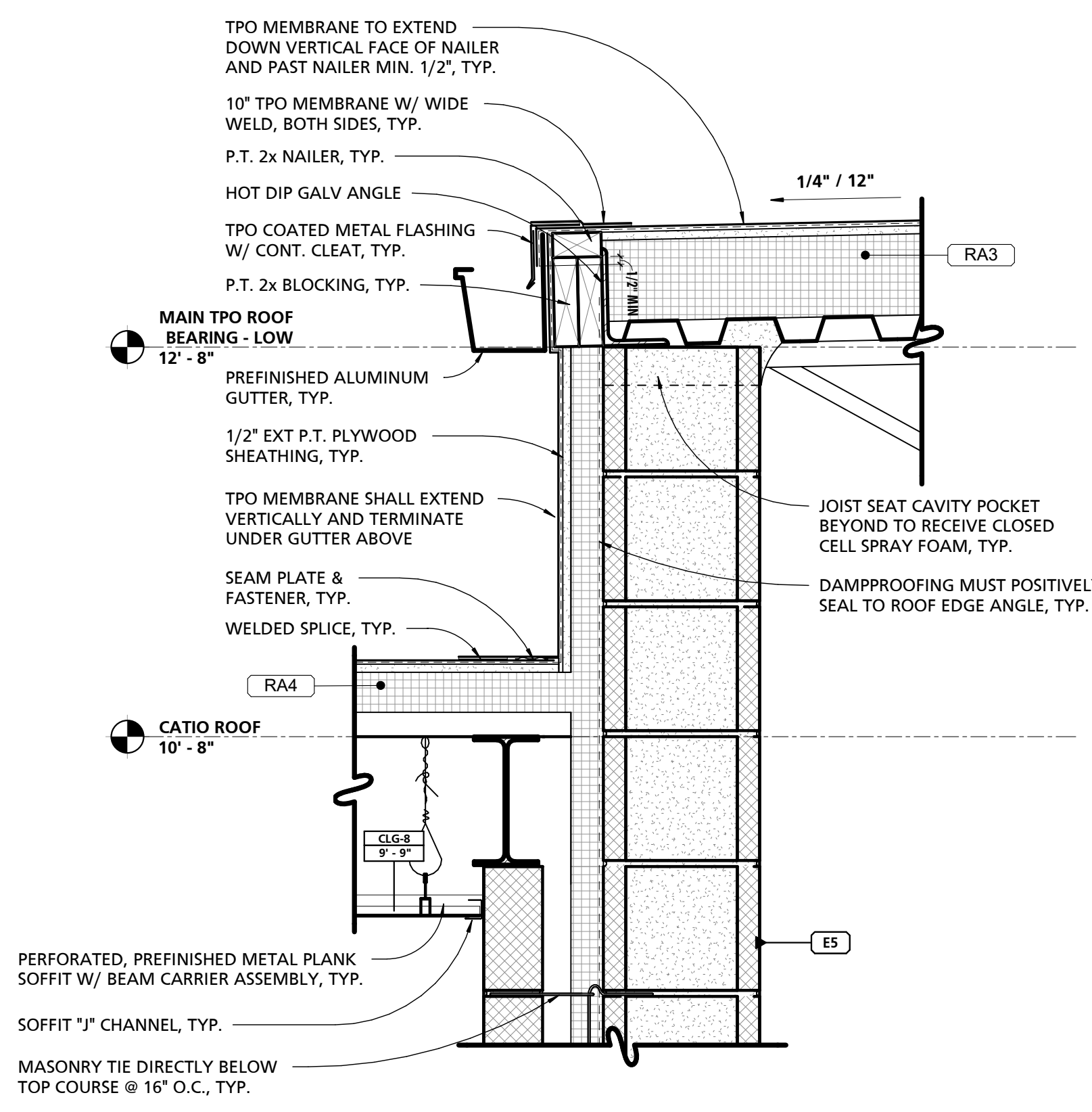
1 TYP. TPO ROOF EDGE DETAIL AT BREEZEWAY GUTTER
1 1/2" = 1'-0"



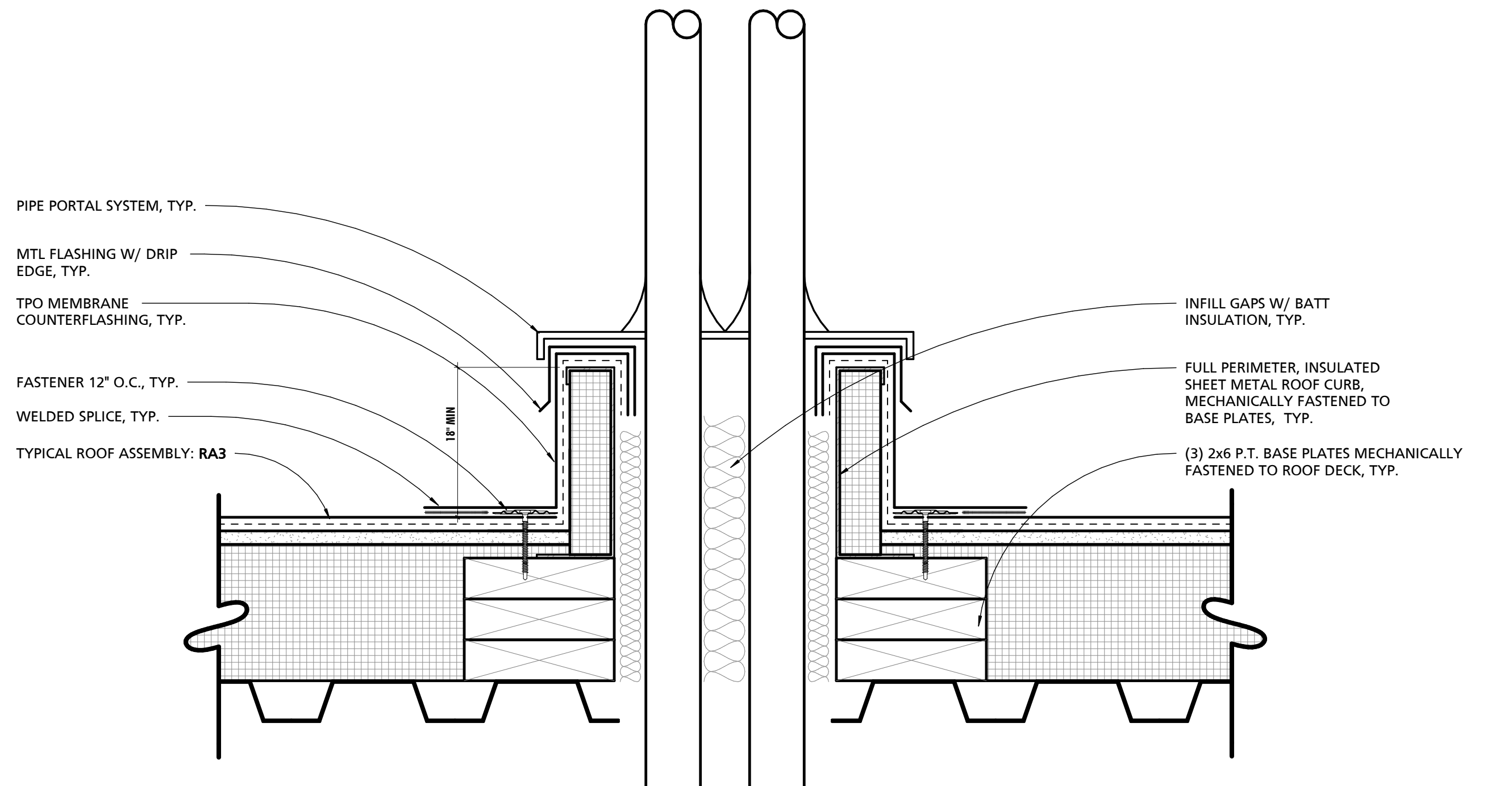
2 TYP. TPO ROOF HIGH EAVE DETAIL AT BREEZEWAY
1 1/2" = 1'-0"



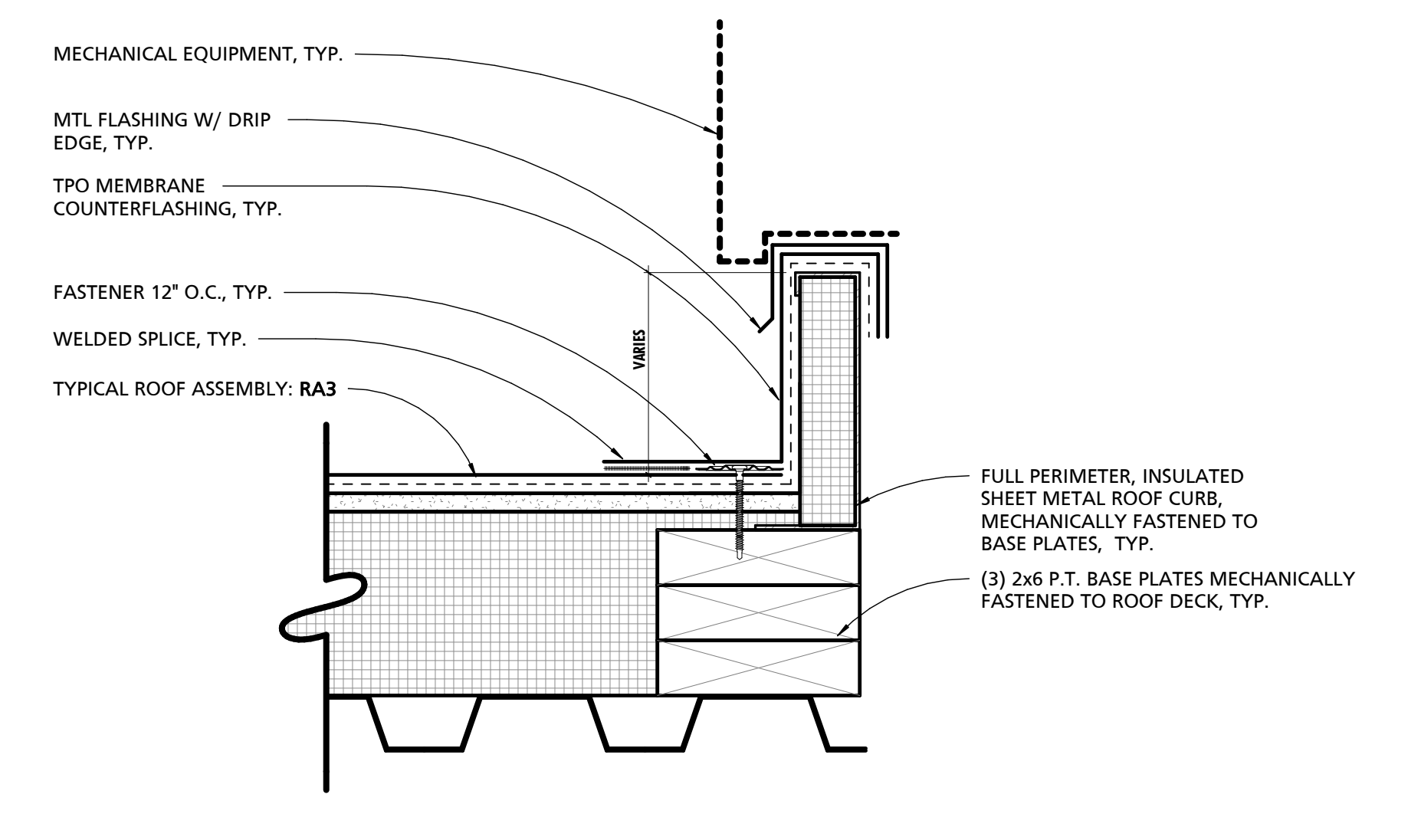
3 ROOF EDGE DETAIL AT CATIO
1 1/2" = 1'-0"



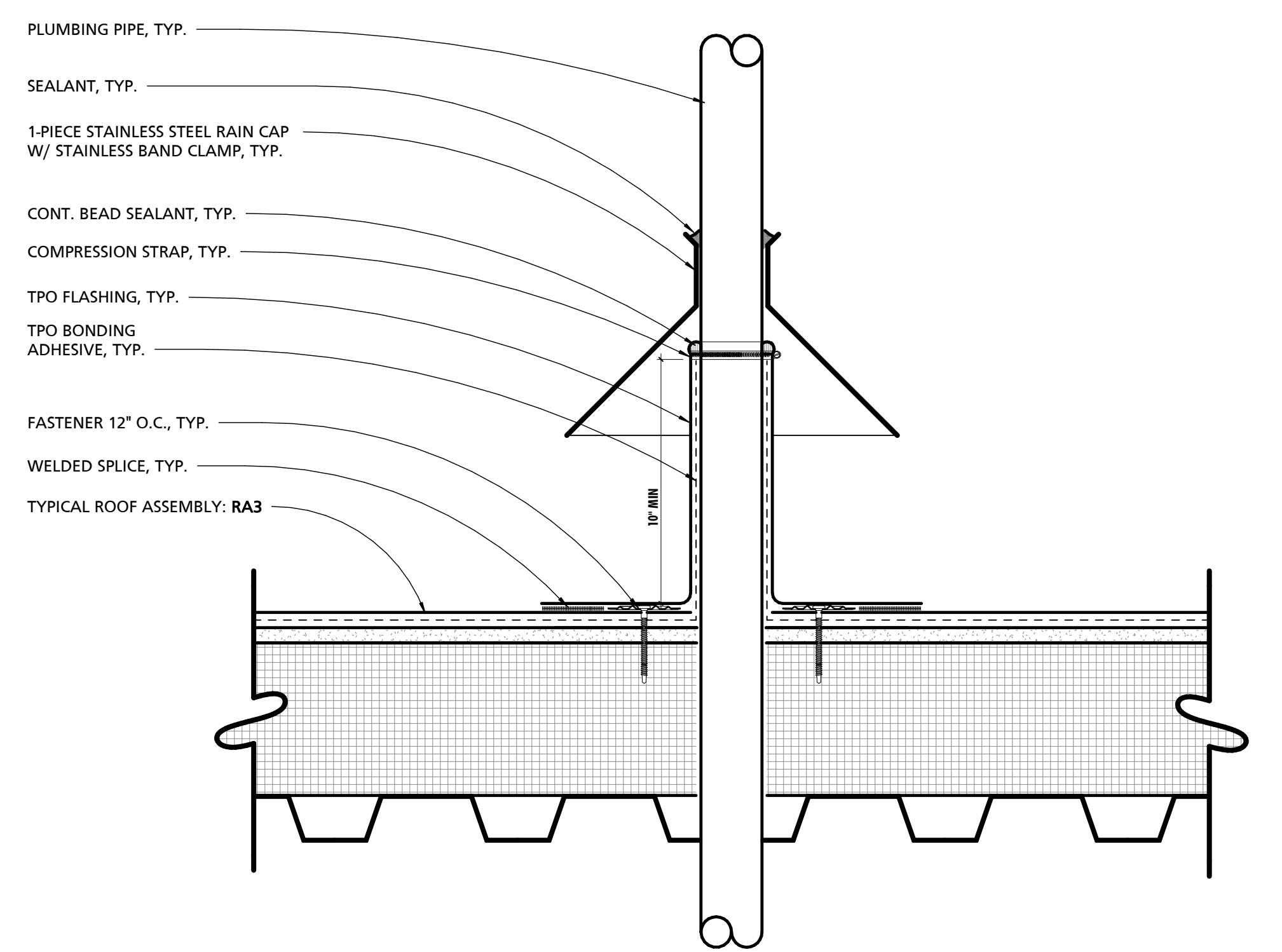
7 TYP CATIO ROOF TERMINATION DETAIL
1 1/2" = 1'-0"



4 TYP. PIPE PORTAL FLASHING DETAIL
3" = 1'-0"



5 TYP. MECHANICAL CURB PENETRATION FLASHING DETAIL
3" = 1'-0"



6 TYP. BOOT/VENT PENETRATION DETAIL
3" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025

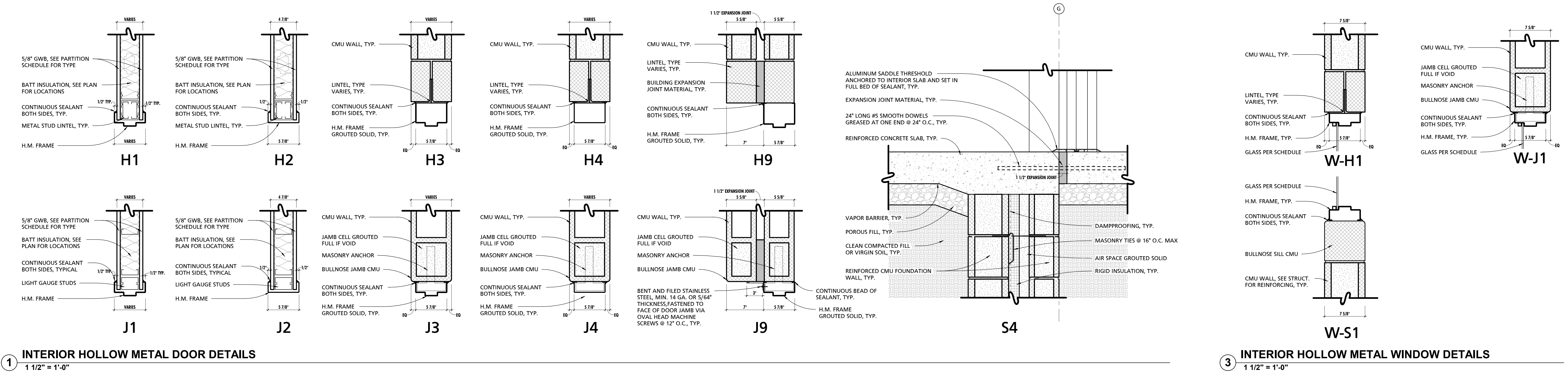


CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

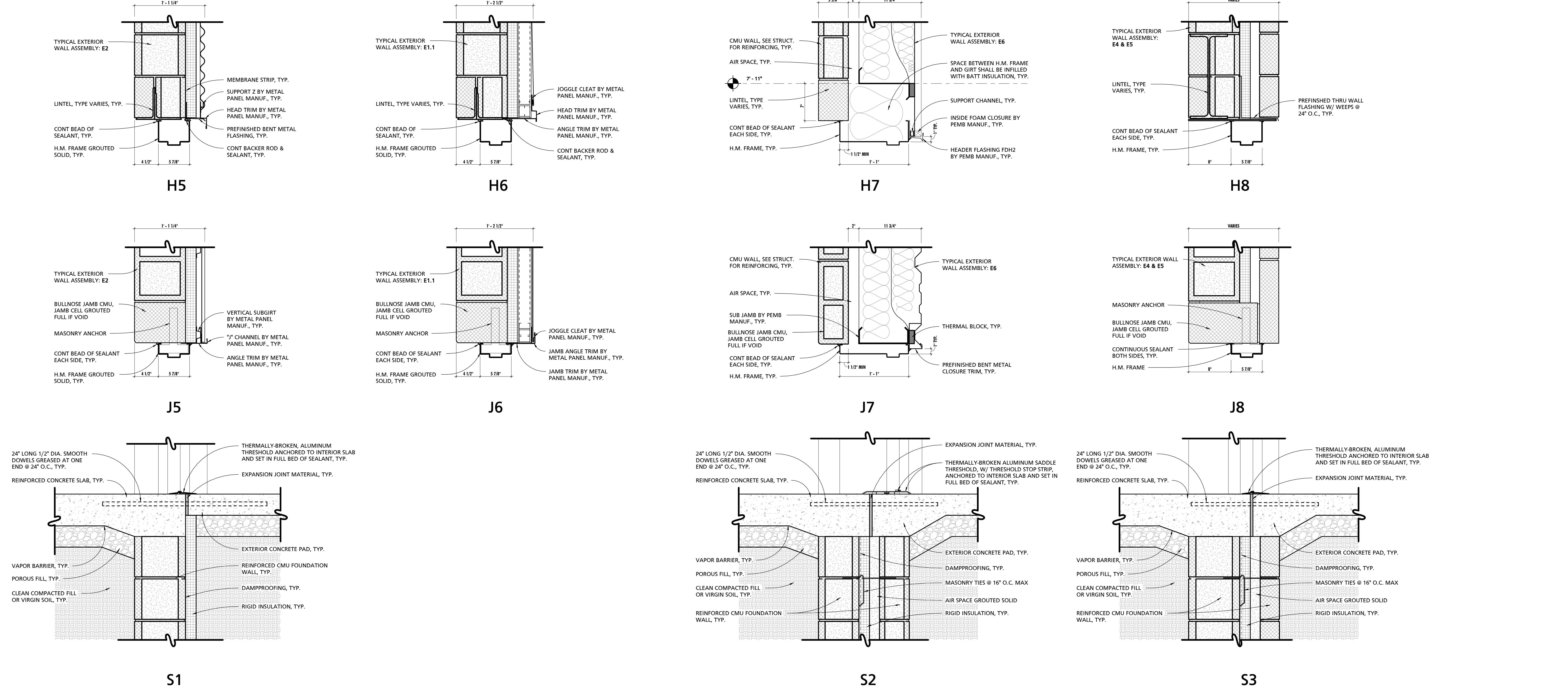
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
HOLLOW METAL DOOR & WINDOW DETAILS
SHEET NUMBER:
A601

1/20/2019 9:32:40 AM



1 1 1/2" = 1'-0"

3 1 1/2" = 1'-0"



2 1 1/2" = 1'-0"

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505. EXPIRATION DATE: 06-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

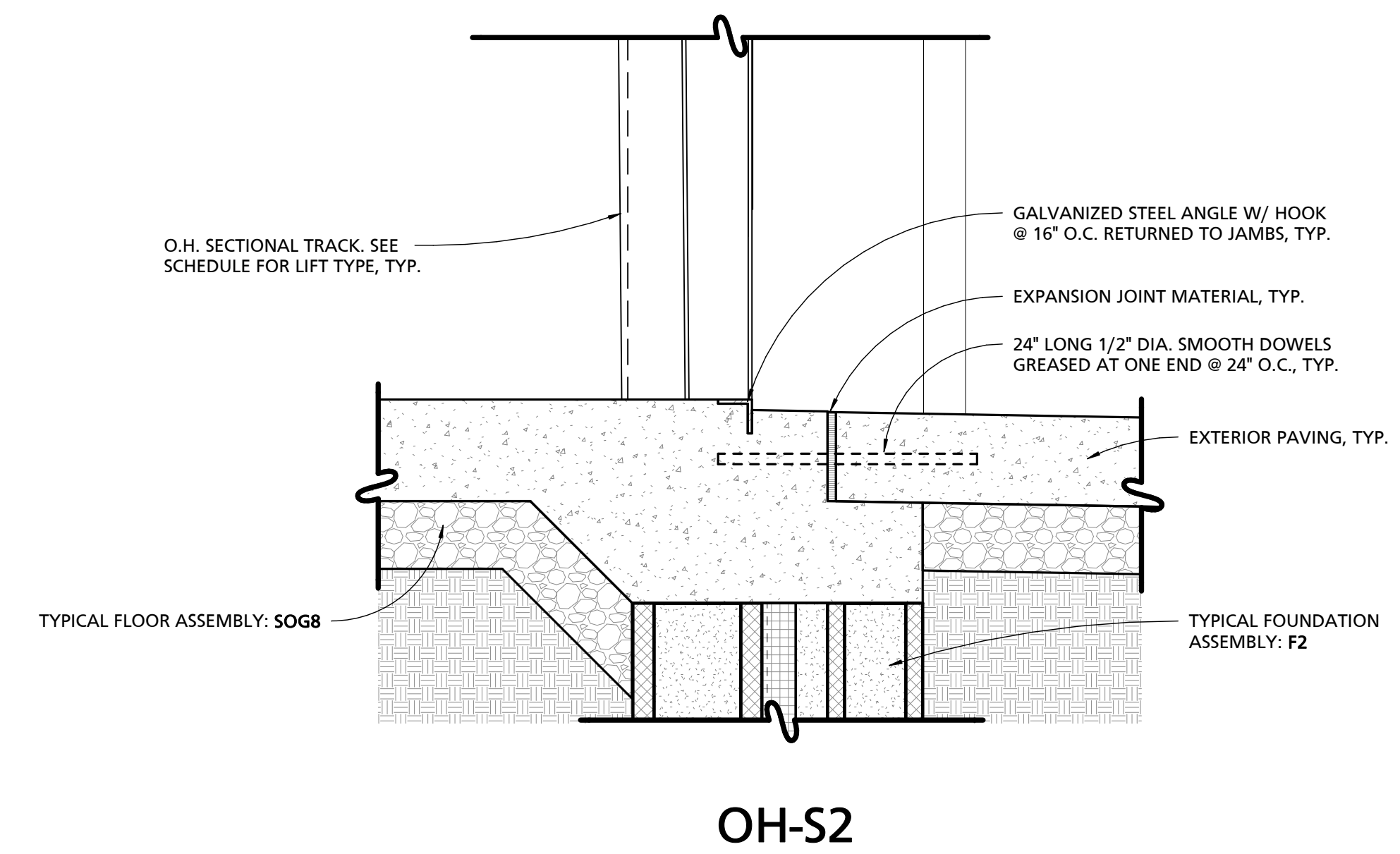
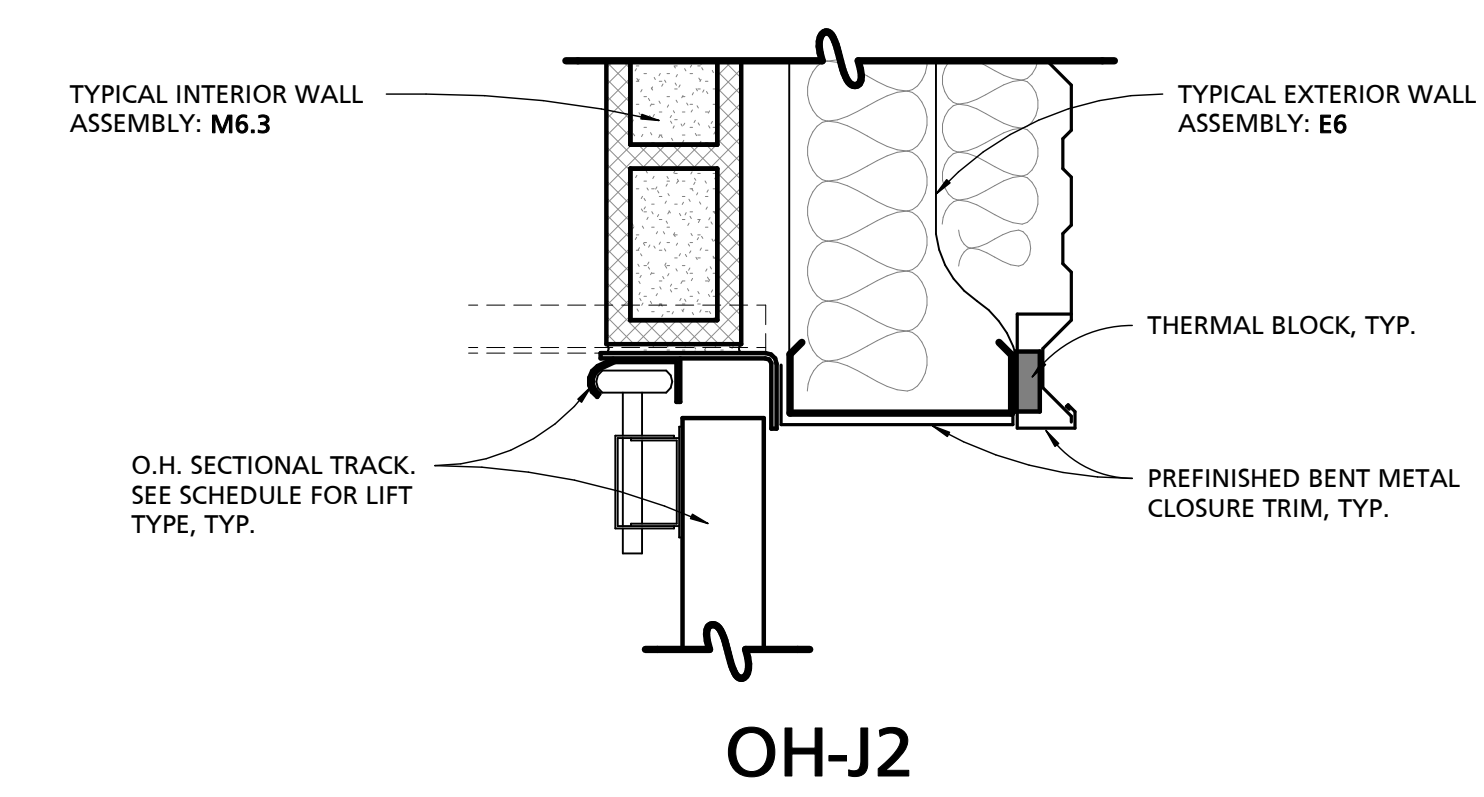
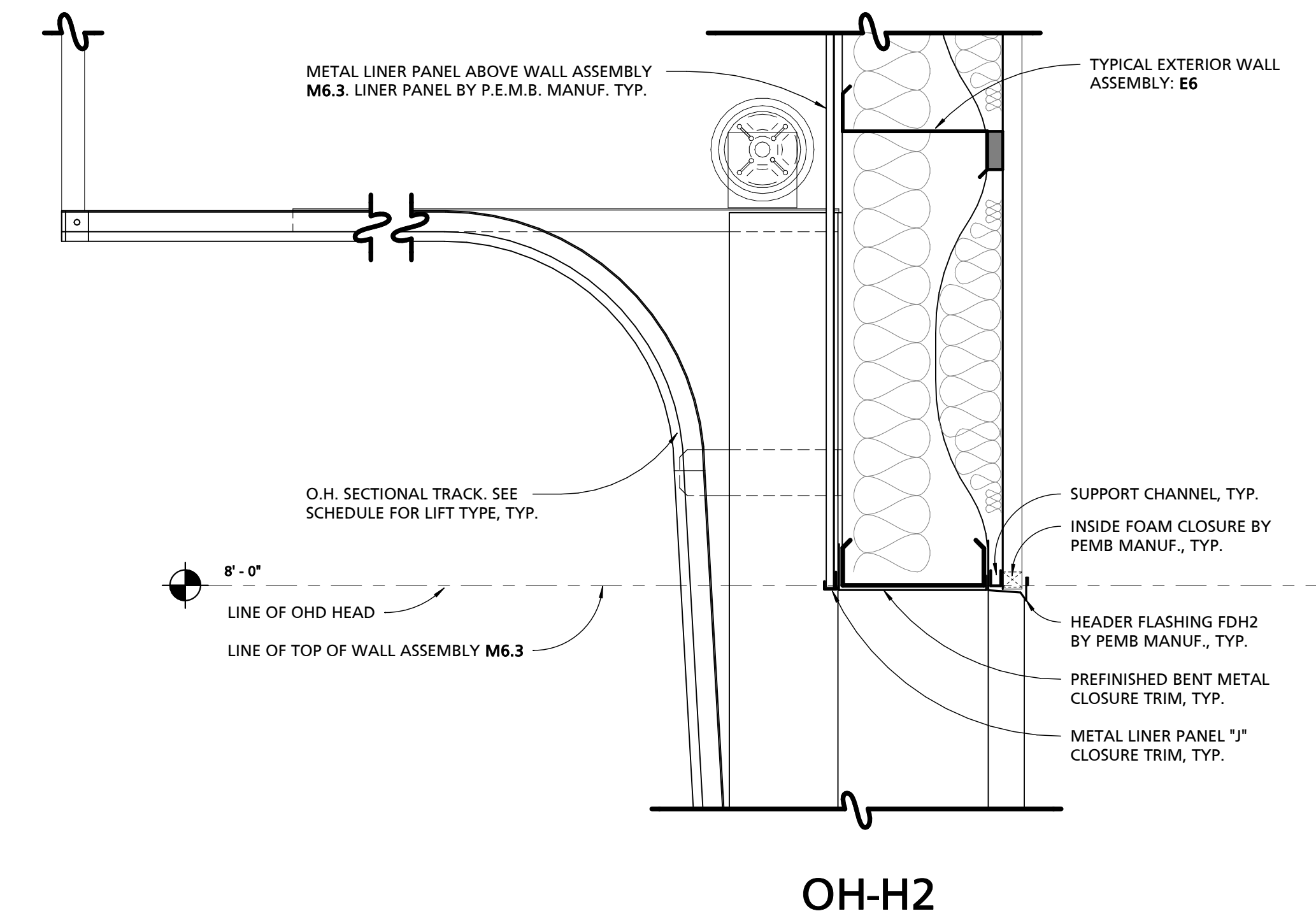
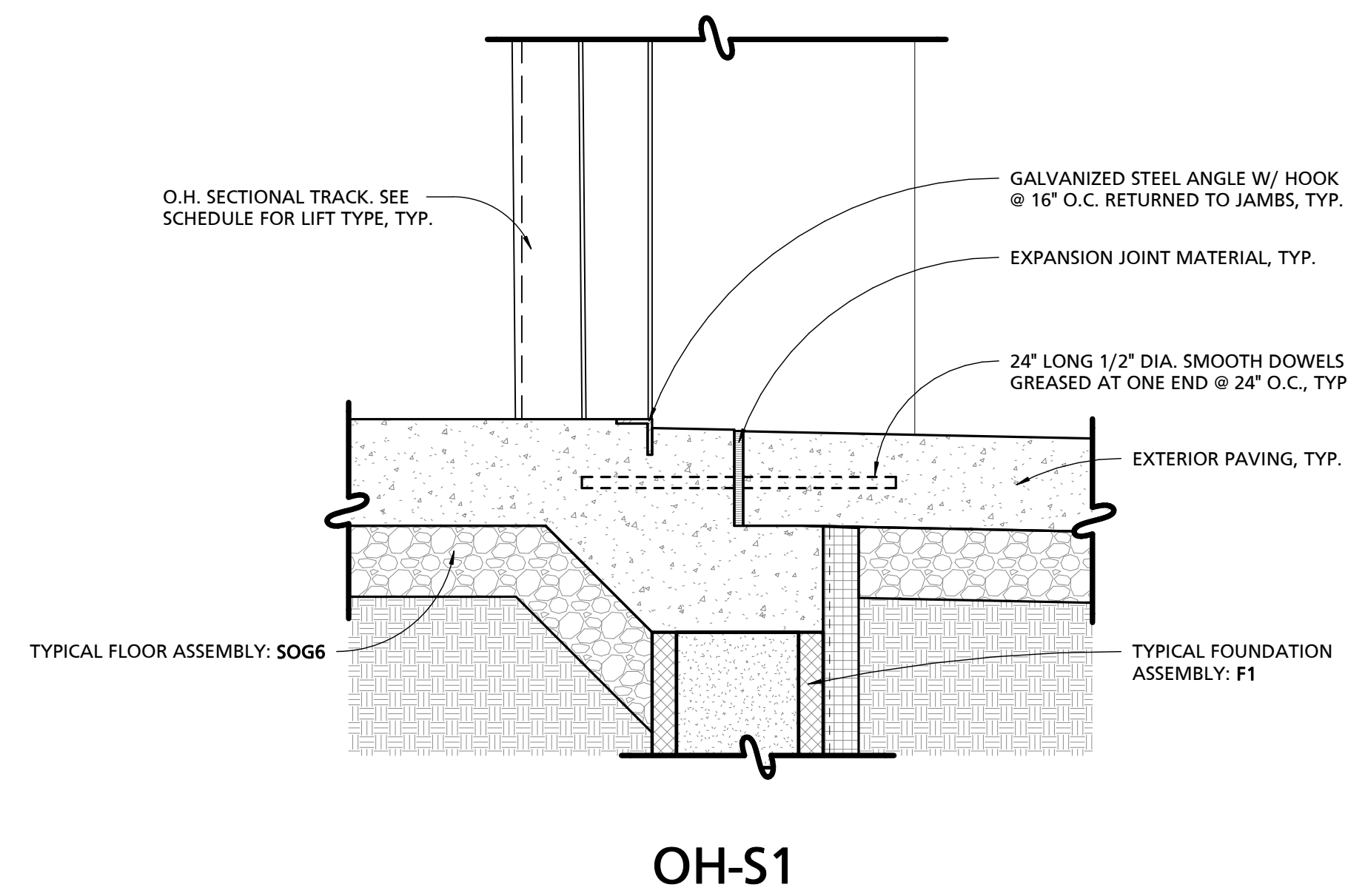
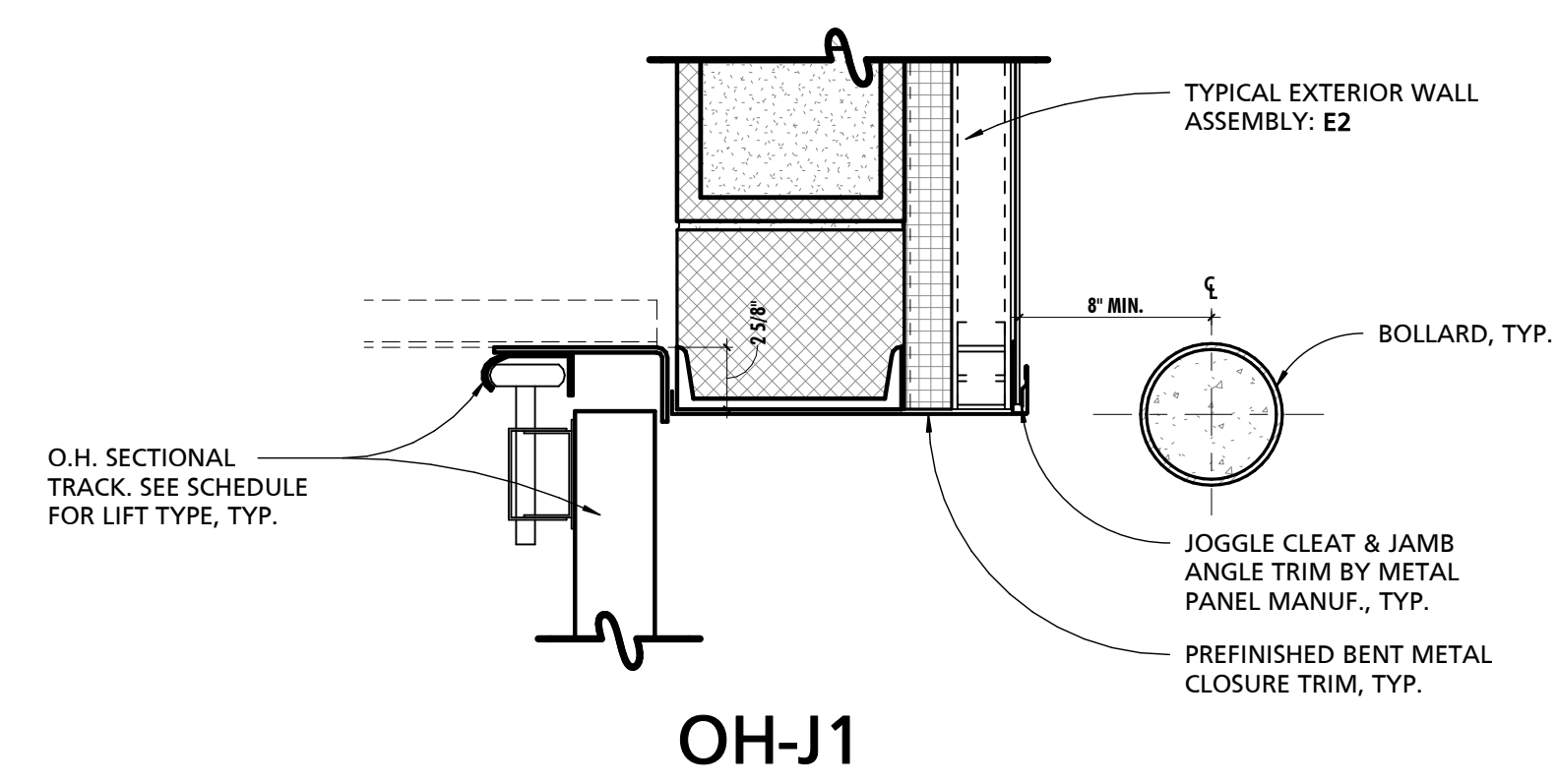
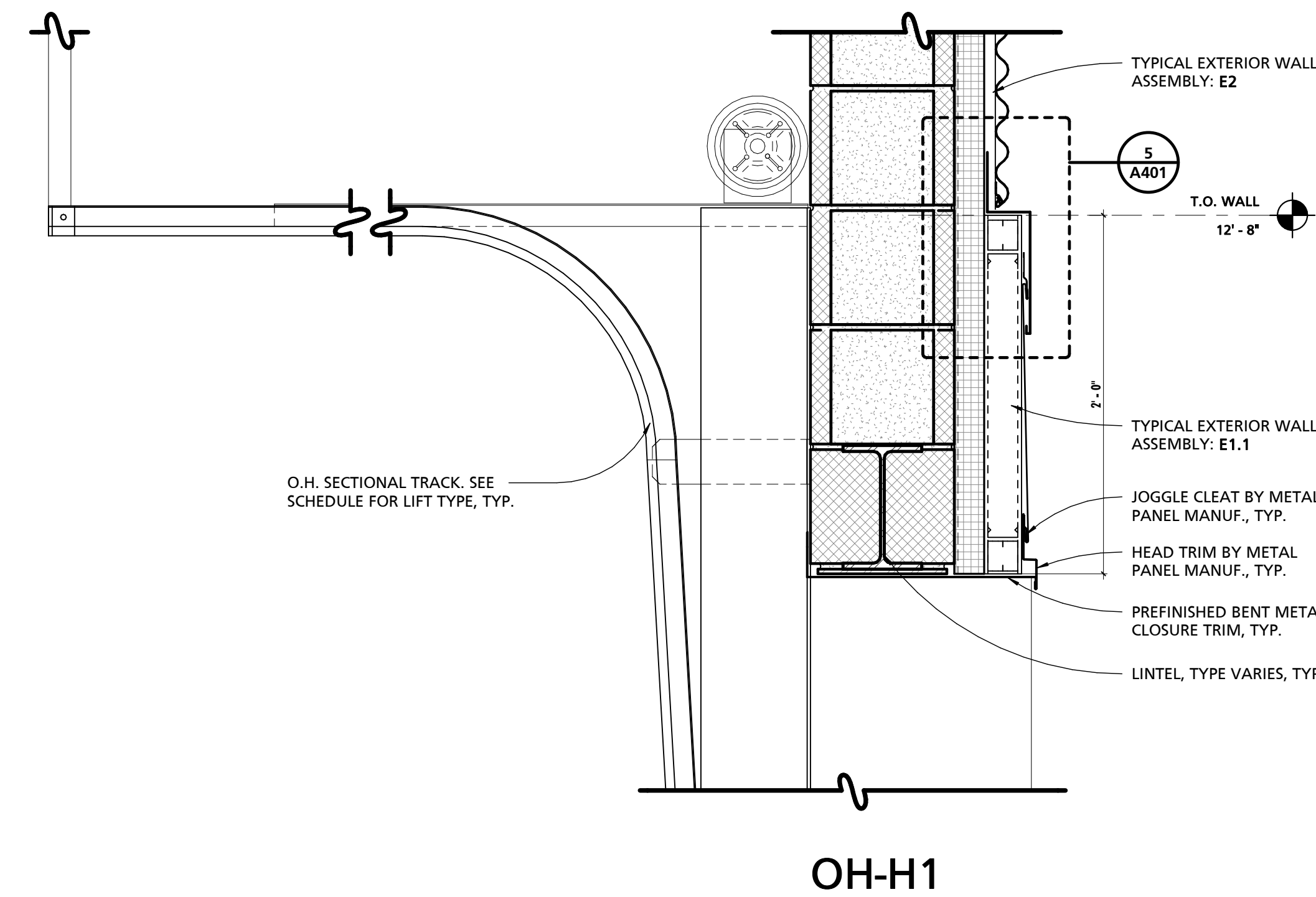
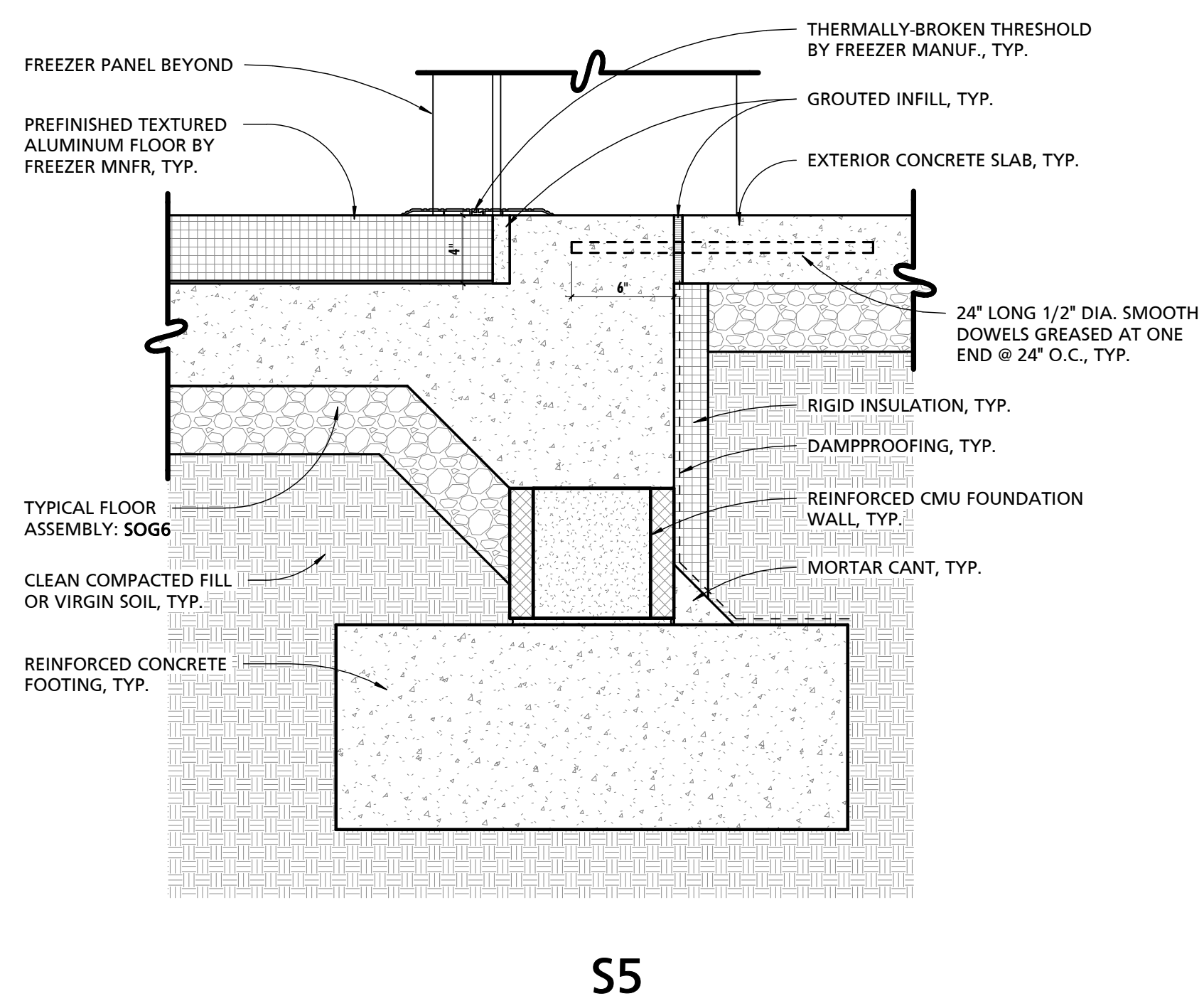
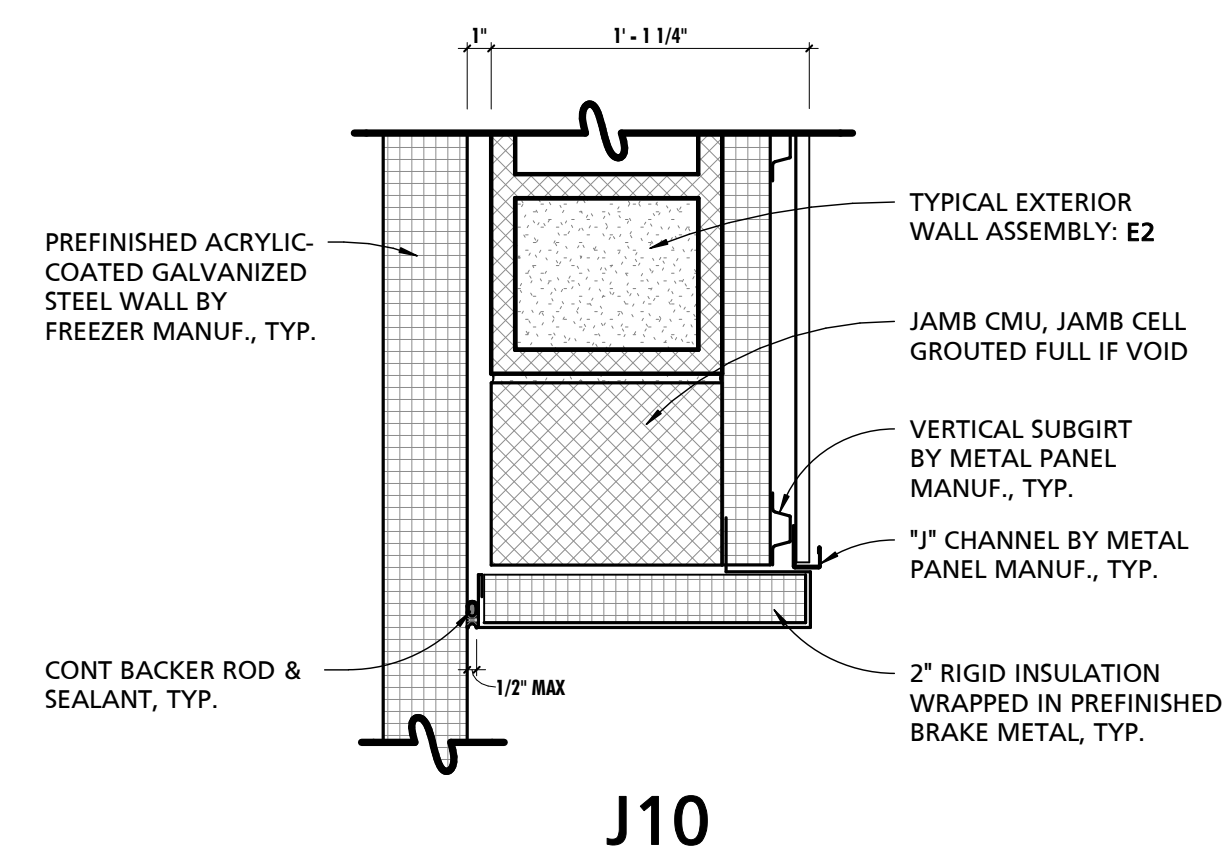
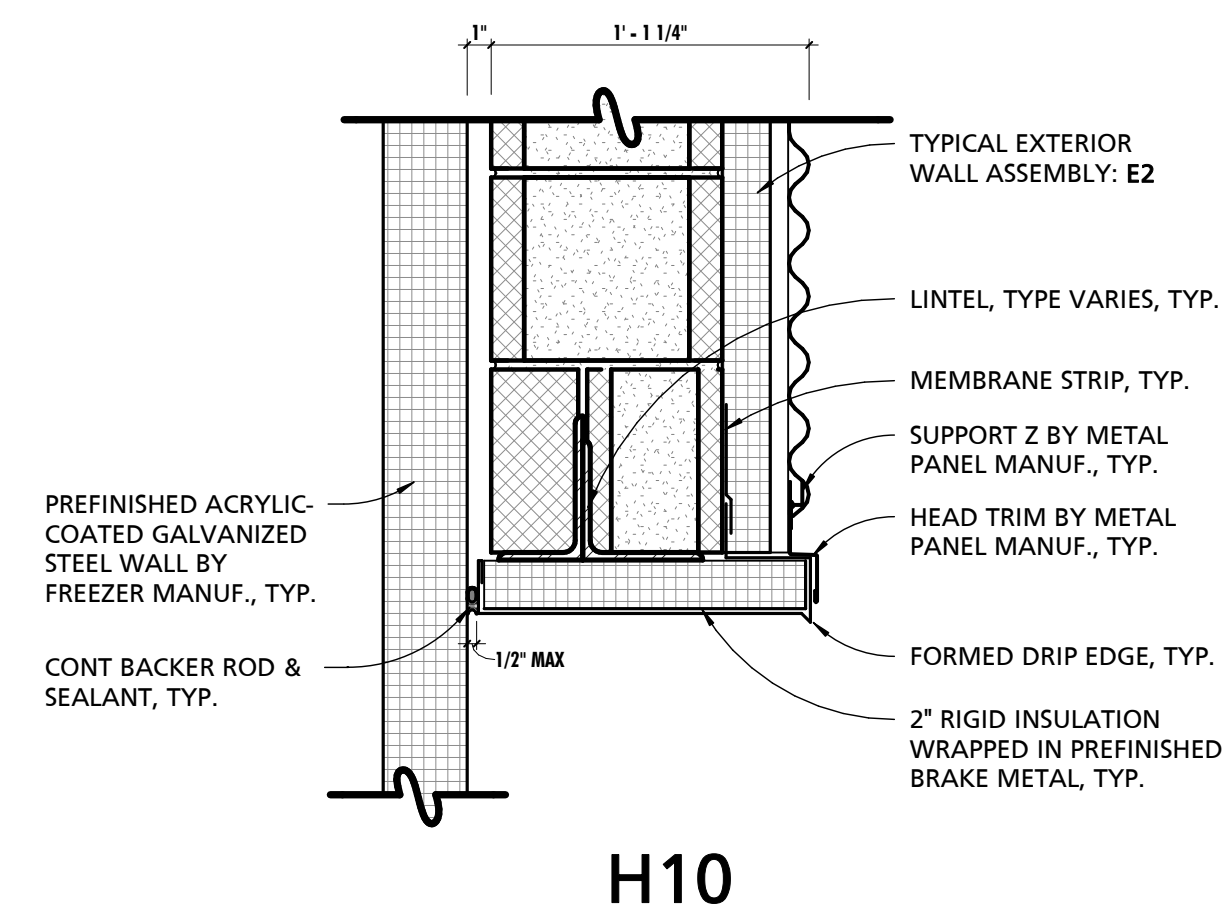
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
SPECIALTY DOOR
DETAILS

SHEET NUMBER:
A602

1/20/2019 9:32:41 AM



1 WALK-IN FREEZER DOOR DETAILS
1 1/2" = 1'-0"

2 SECTIONAL DOOR DETAILS
1 1/2" = 1'-0"

GENERAL OPENING NOTES	
NOTE #	NOTE
1	CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION OF DOORS, WINDOWS, STOREFRONT, ETC.

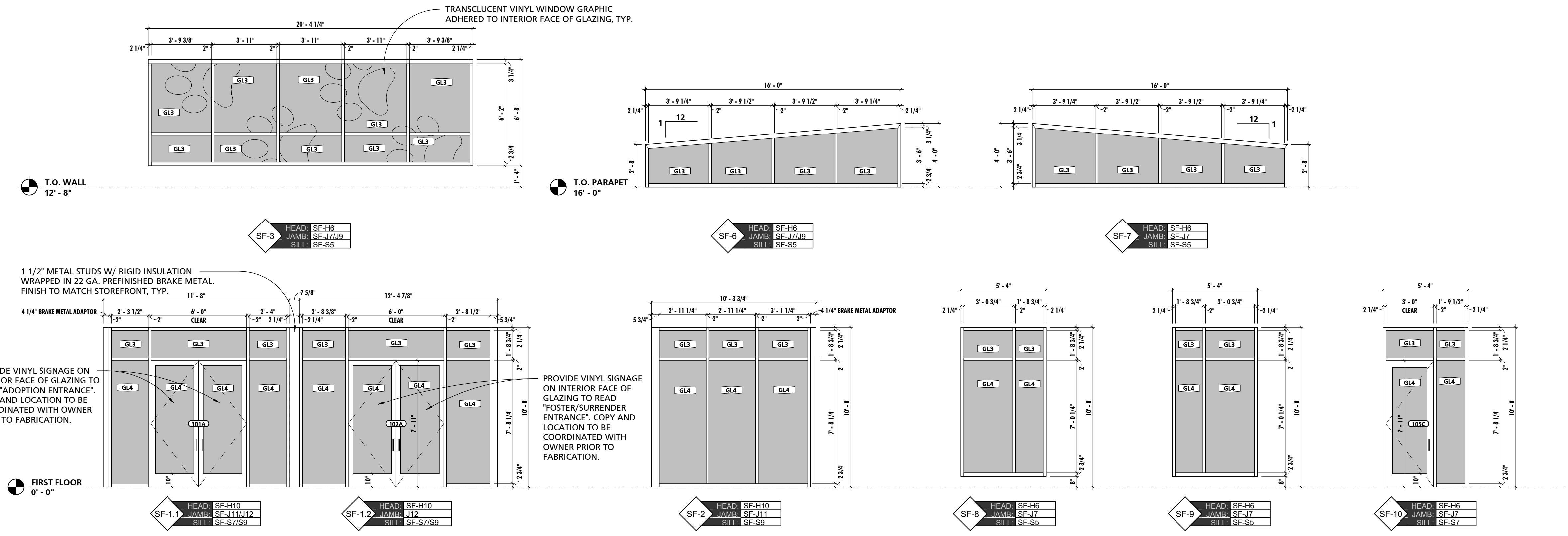
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505. EXPIRATION DATE: 9-18-2025



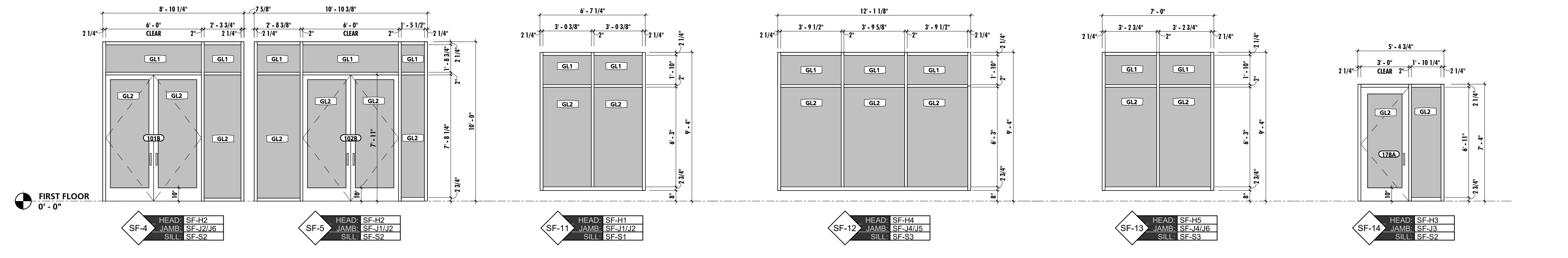
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
PROJECT NUMBER:	18-034	
PROJECT SET:	PERMIT	
DATE ISSUED:	12/23/2019	
DRAWING TITLE:	STOREFRONT ELEVATIONS	
SHEET NUMBER:	A603	

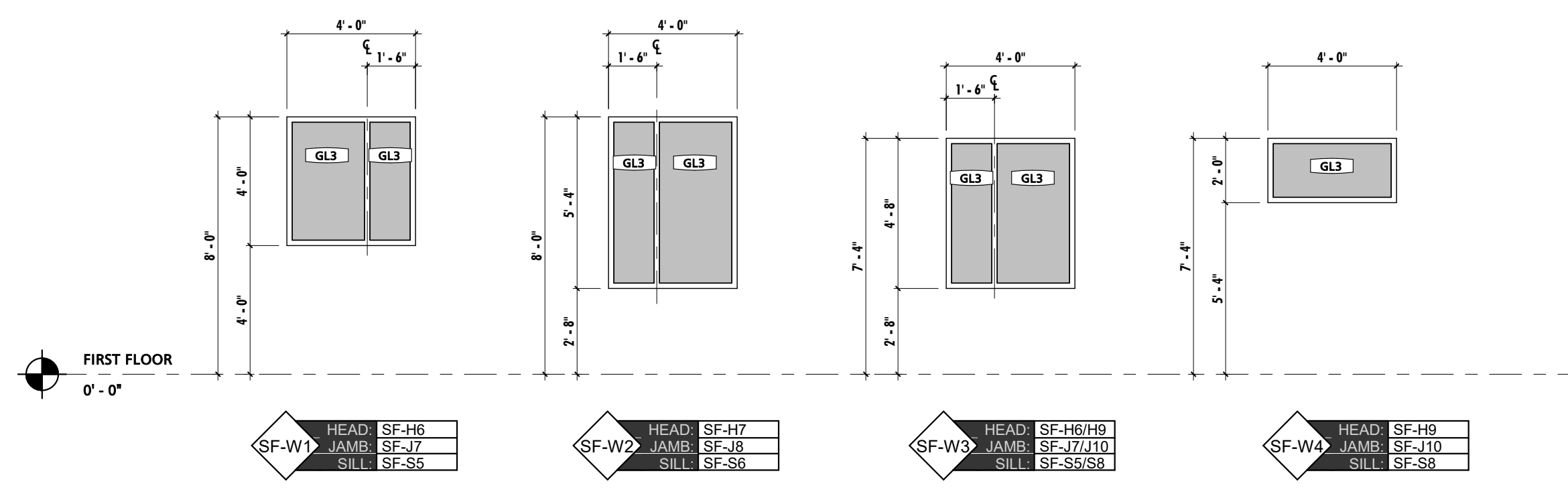
1/20/2019 9:32:46 AM



EXTERIOR STOREFRONT ELEVATIONS
1/4" = 1'-0"



INTERIOR STOREFRONT ELEVATIONS
NOT TO SCALE



EXTERIOR STOREFRONT WINDOW TYPES
1/4" = 1'-0"

SCHEDULE - GLAZING

MARK	DESCRIPTION
GL1	CLEAR GLAZING
GL2	CLEAR SAFETY GLAZING
GL3	LOW-E INSULATED GLAZING
GL4	LOW-E INSULATED SAFETY GLAZING
FRG-1	FIRE-RATED SAFETY GLAZING

SEAL:

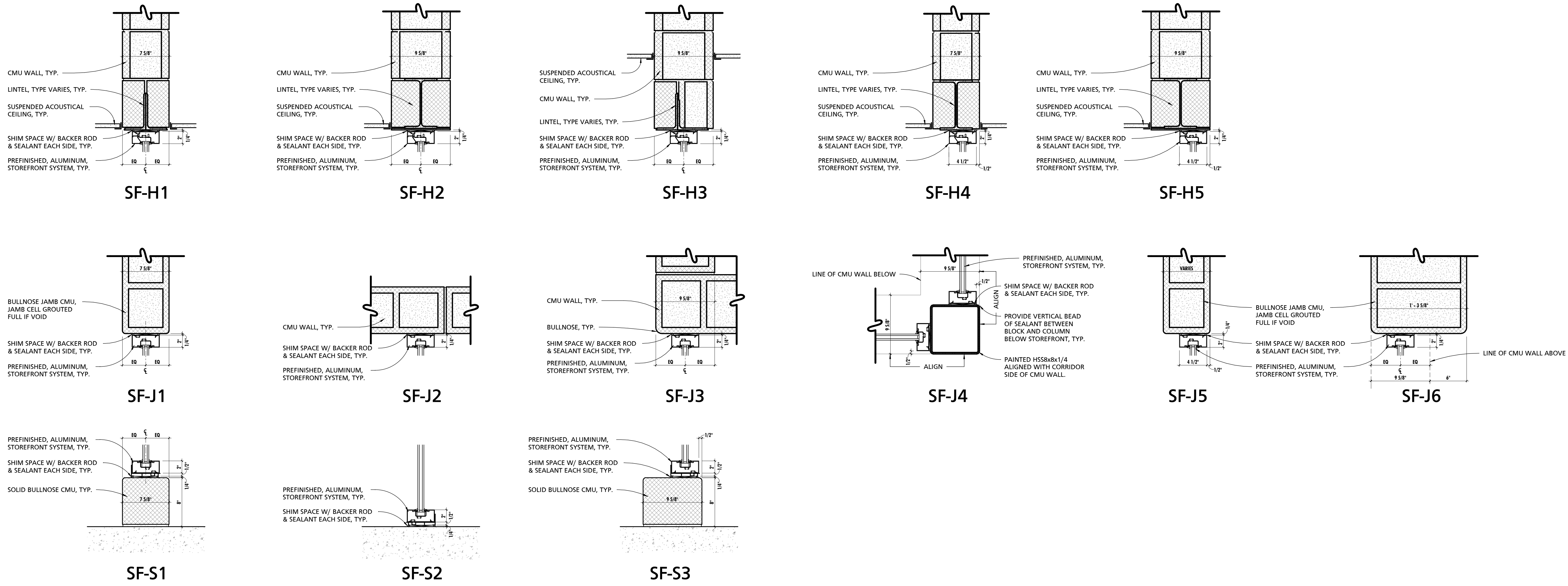
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 01-18-2025



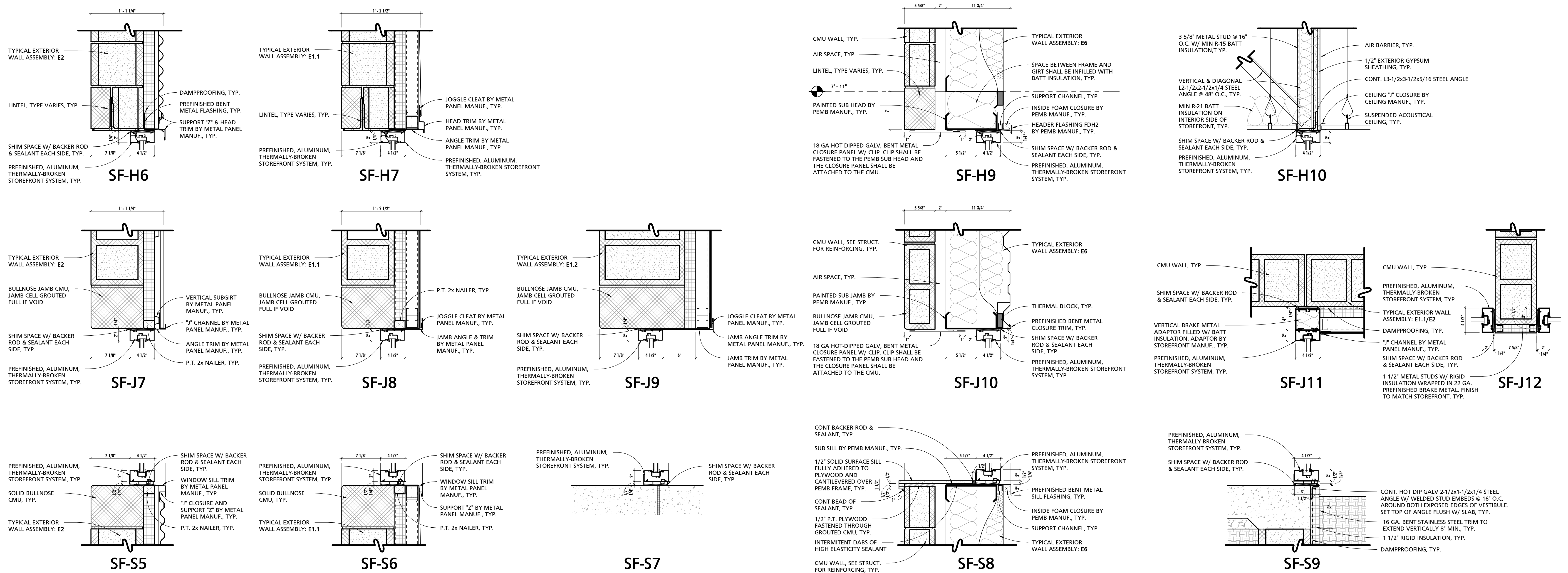
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
18-034	PROJECT NUMBER:	
	PROJECT SET:	
	PERMIT:	
	DATE ISSUED:	12/23/2019
DRAWING TITLE:		
STOREFRONT DETAILS		
SHEET NUMBER:		
A604		

1/20/2019 9:32:48 AM

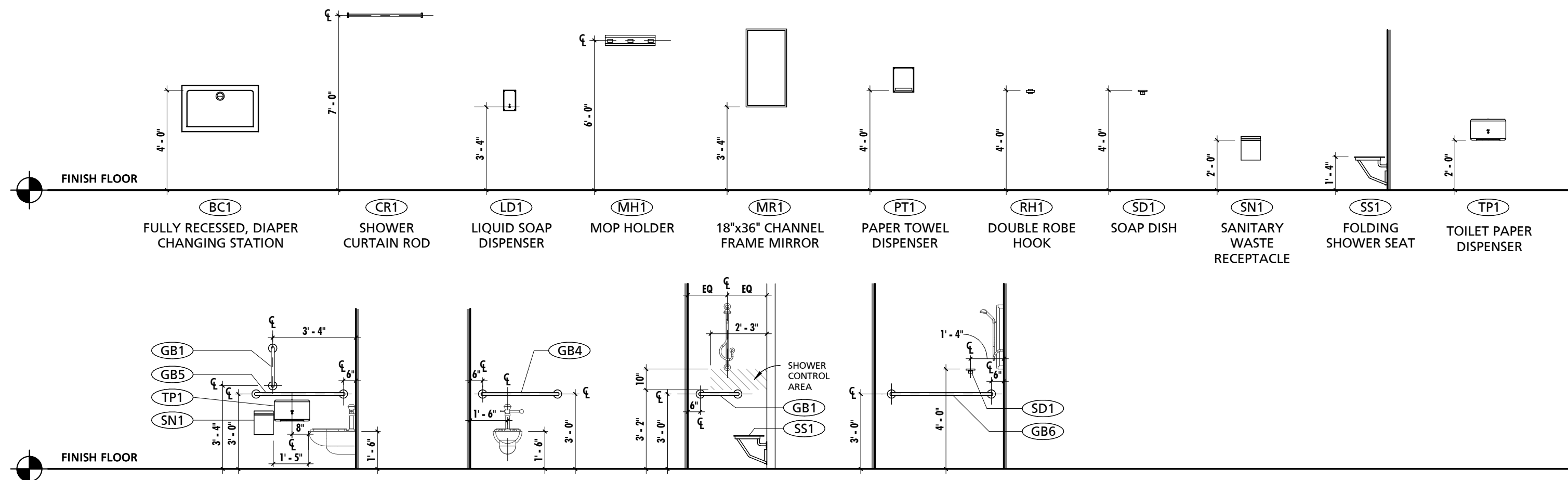


1 INTERIOR STOREFRONT DETAILS
1 1/2" = 1'-0"

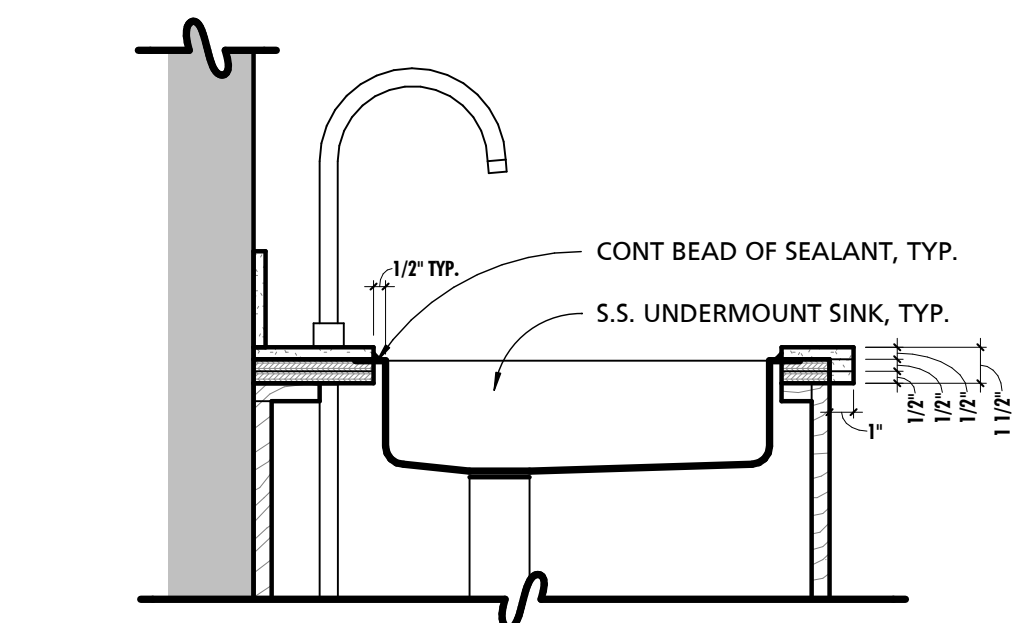


2 EXTERIOR STOREFRONT DETAILS
1 1/2" = 1'-0"

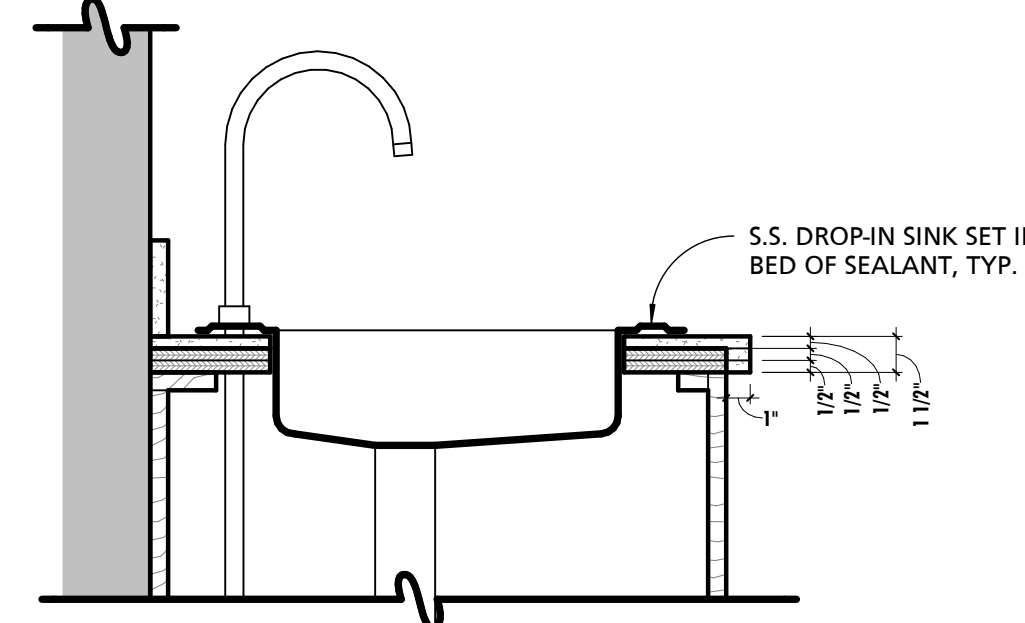
SCHEDULE - TOILET ROOM ACCESSORIES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
BC1	RECESSED DIAPER CHANGING STATION	KOALA	KB100-01ST GREY	
CR1	SHOWER CURTAIN ROD	BOBRICK	B-207	
GB1	18" GRAB BAR	BOBRICK	B-5806	
GB4	36" GRAB BAR	BOBRICK	B-5806	
GB5	42" GRAB BAR	BOBRICK	B-5806	
GB6	48" GRAB BAR	BOBRICK	B-5806	
LD1	SOAP DISPENSER	TORK	571608	
MH1	MOP HOLDER	BOBRICK	B-223	
MR1	18" x 36" CHANNEL FRAME MIRROR	BOBRICK	B-165	
PT1	PAPER TOWEL DISPENSER	TORK	5511282	
RH1	DOUBLE ROBE HOOK	AMERICAN SPECIALTIES	7345	
SD1	SOAP DISH	AMERICAN SPECIALTIES	7320	
SN2	SANITARY WASTE RECEPTACLE	BOBRICK	B-270	
SS1	SHOWER SEAT	BOBRICK	B-5192	
TP1	TOILET PAPER DISPENSER	TORK	5555290	



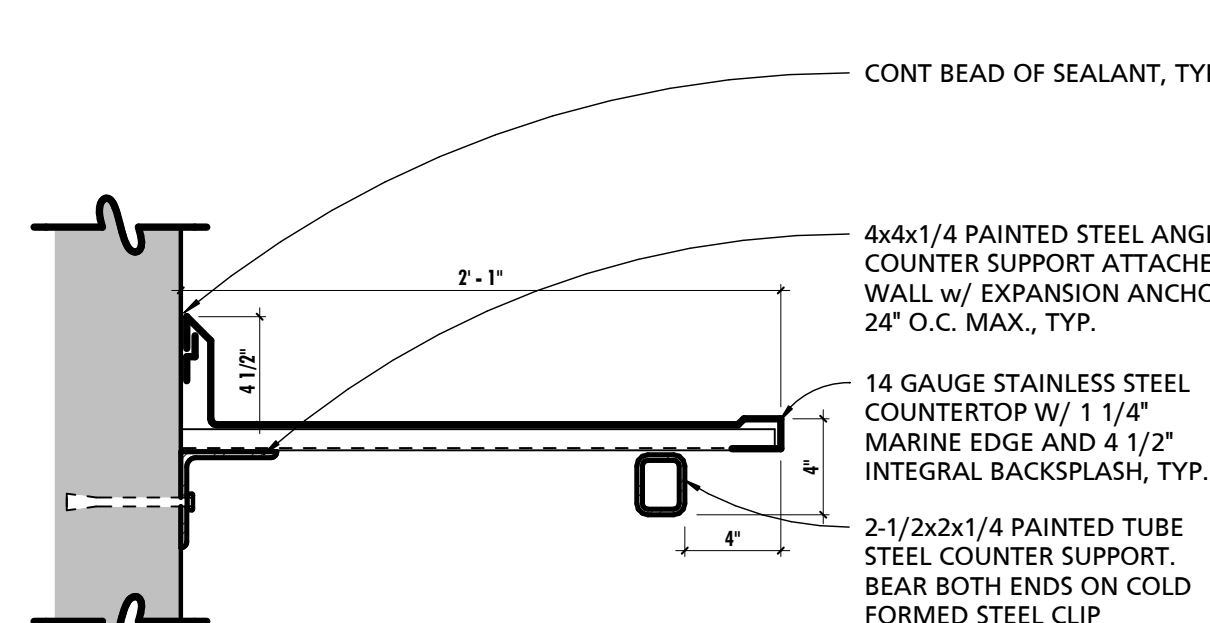
TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS & LOCATIONS
1/4" = 1'-0"



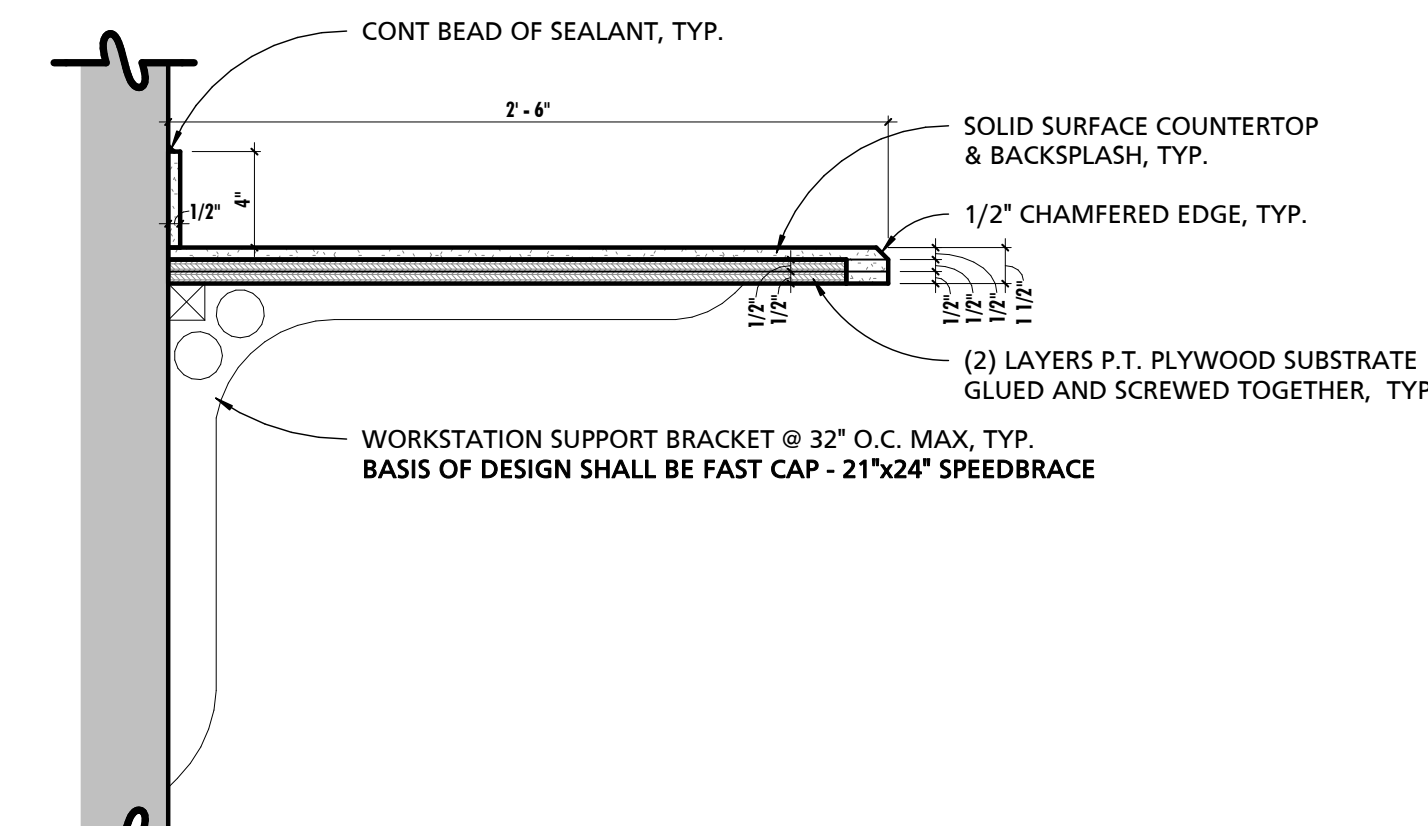
TYPICAL UNDERMOUNT SINK DETAIL
1 1/2" = 1'-0"



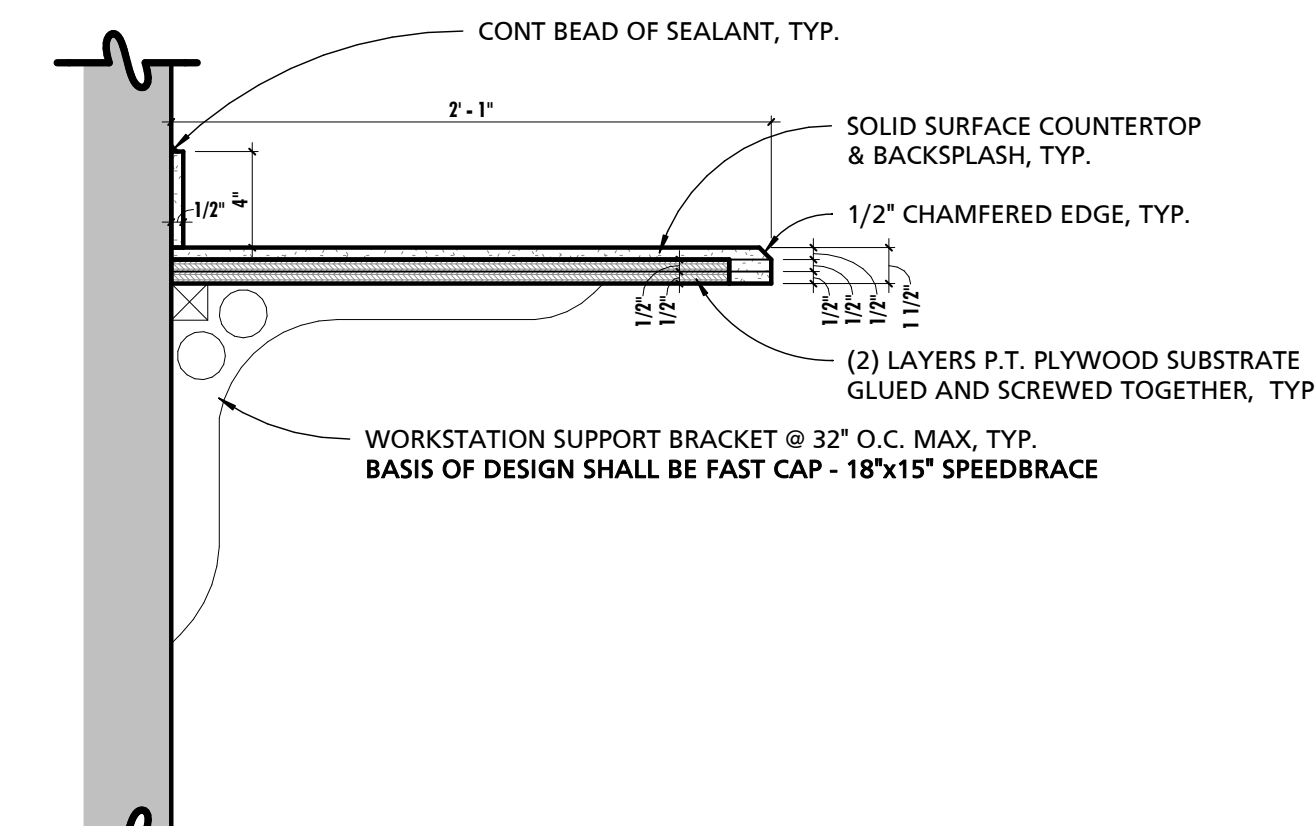
TYPICAL DROP-IN SINK DETAIL
1 1/2" = 1'-0"



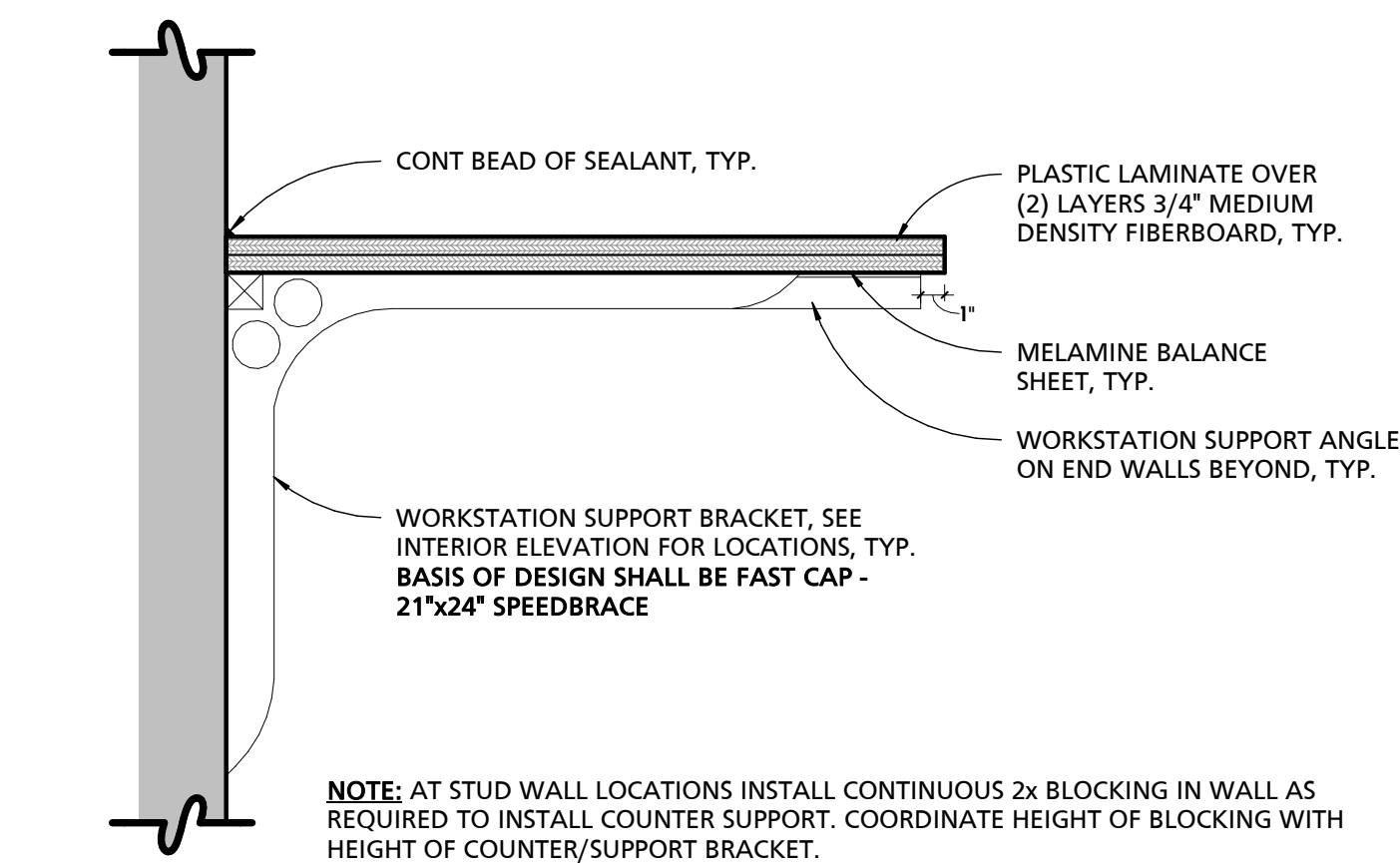
TYPICAL METAL COUNTERTOP DETAIL
1 1/2" = 1'-0"



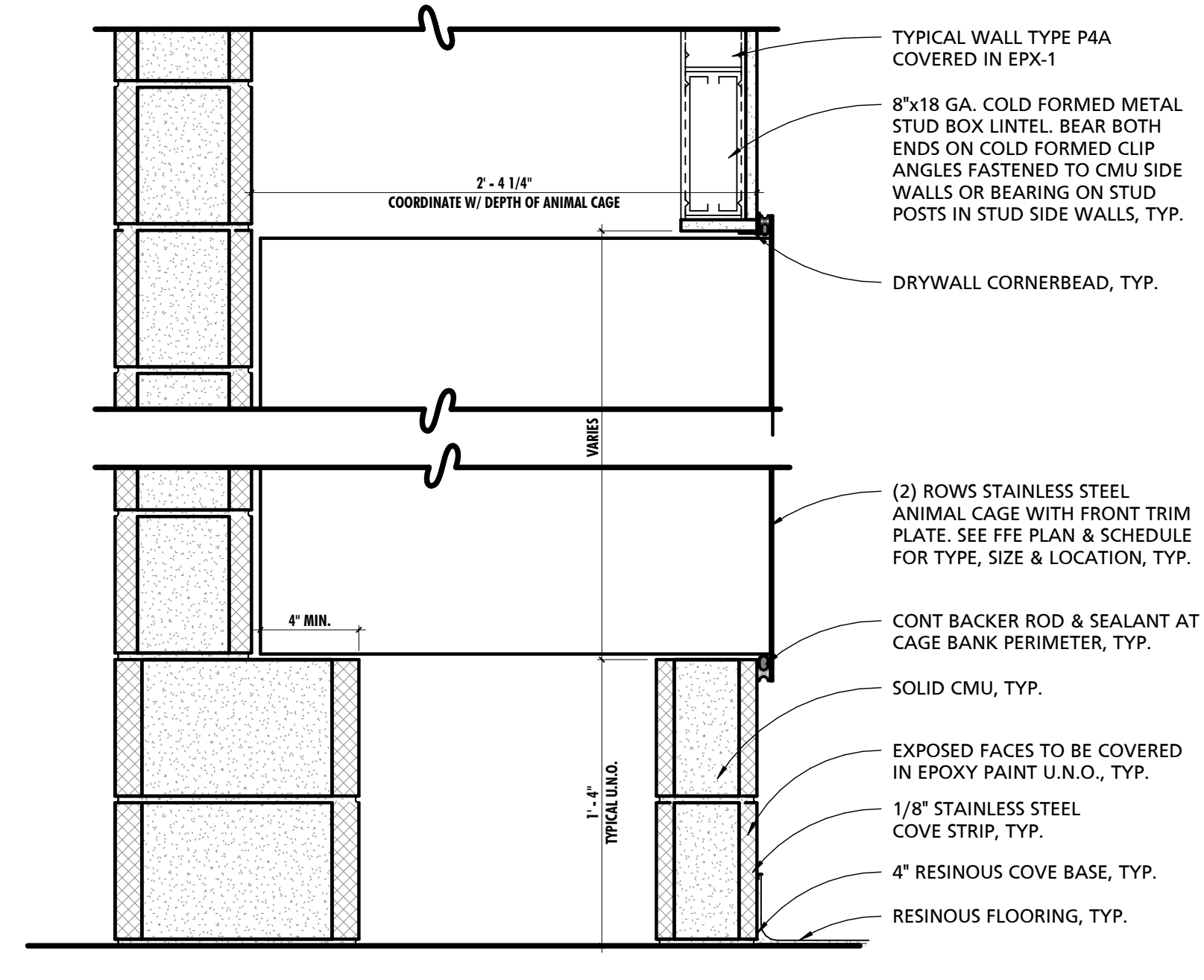
TYPICAL SOLID SURFACE COUNTERTOP & BRACKET DETAILS
1 1/2" = 1'-0"



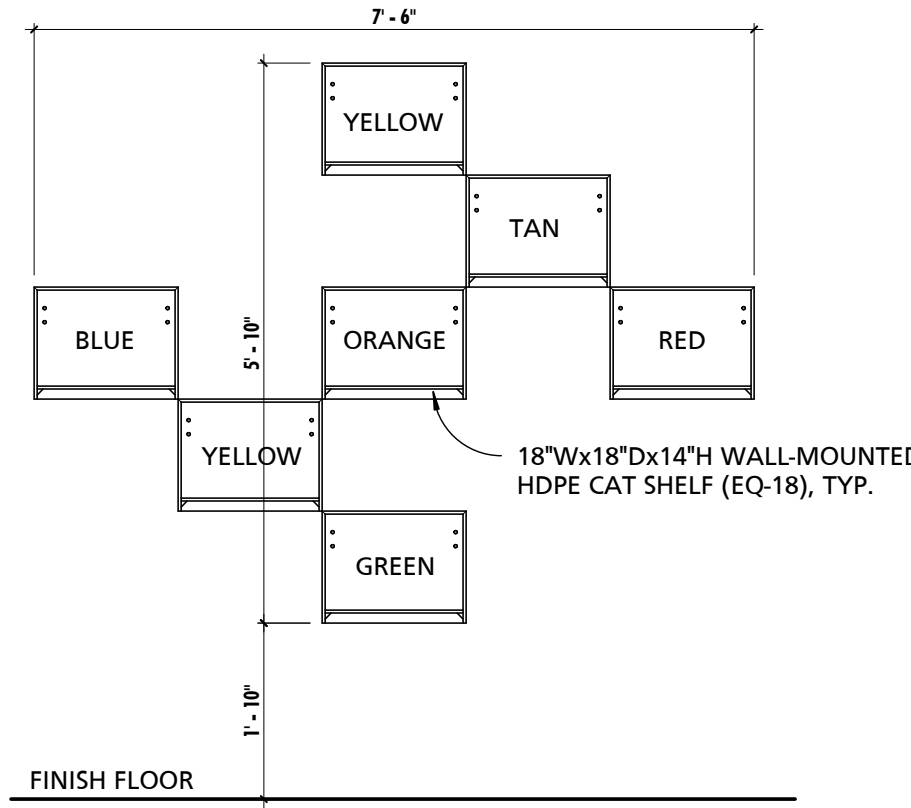
NOTE: AT STUD WALL LOCATIONS INSTALL CONTINUOUS 2x BLOCKING IN WALL AS REQUIRED TO INSTALL COUNTER SUPPORT. COORDINATE HEIGHT OF BLOCKING WITH HEIGHT OF COUNTER/SUPPORT BRACKET.



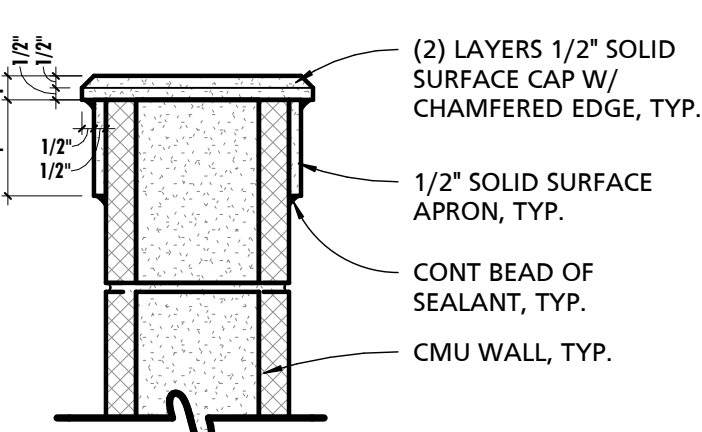
TYP LAMINATE COUNTERTOP DETAIL
1 1/2" = 1'-0"



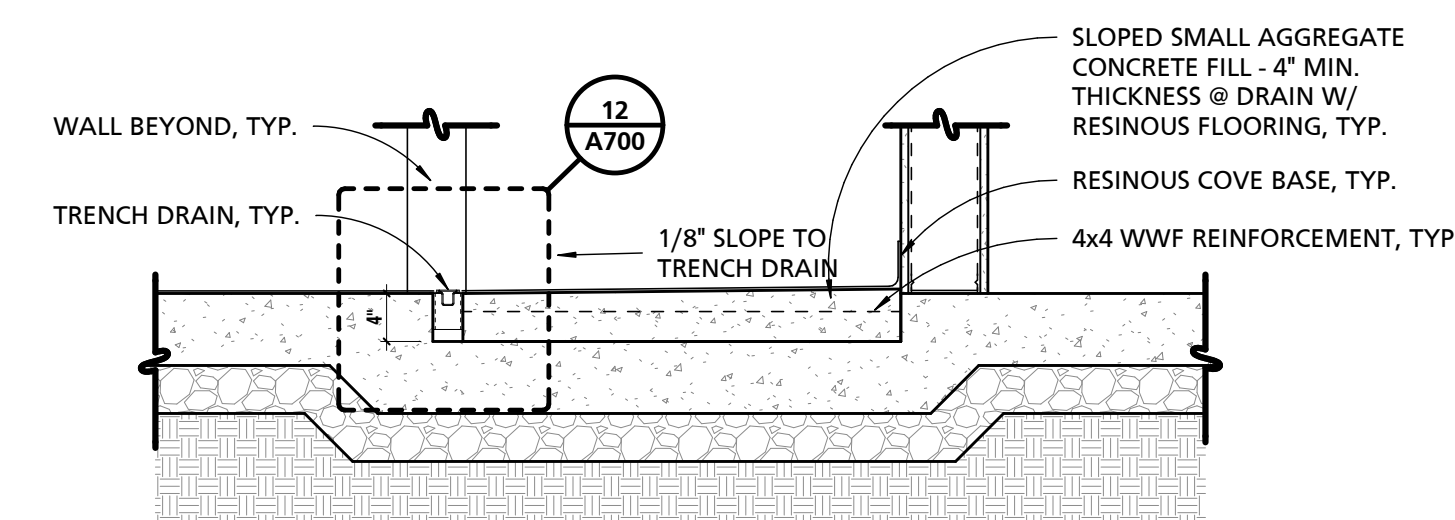
TYPICAL RECESSED ANIMAL CAGE DETAIL
1 1/2" = 1'-0"



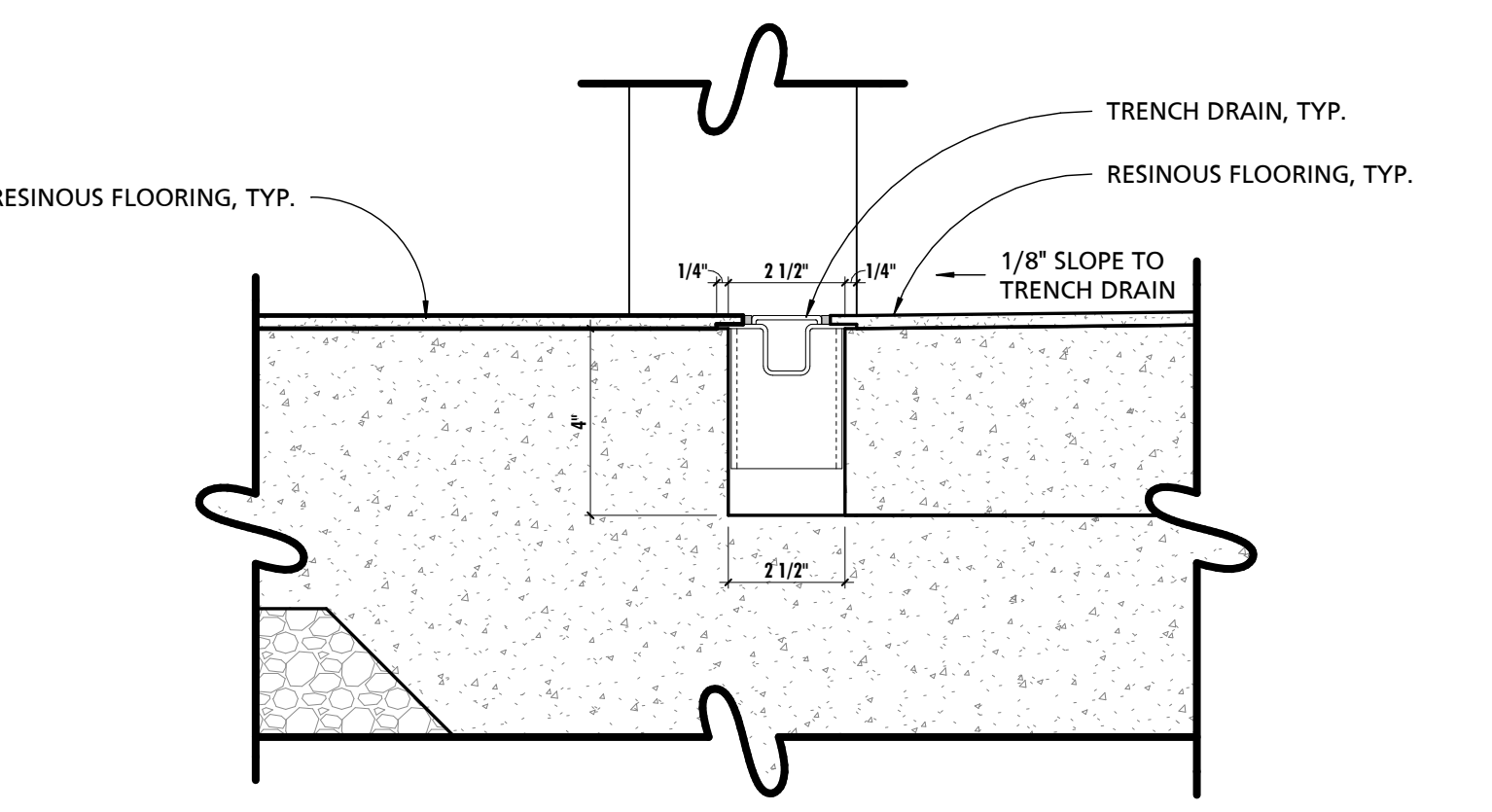
TYP CAT SHELF (EQ-18) ELEVATION
1/2" = 1'-0"



TYP SS WALL CAP DETAIL
1 1/2" = 1'-0"



TYPICAL SHOWER FLOOR DETAIL
3/4" = 1'-0"



TYPICAL SHOWER DRAIN DETAIL
3" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES	
NOTE #	NOTE
1	CONTRACTOR SHALL BE REQUIRED TO COORDINATE FINAL CASEWORK SHOP DRAWINGS AND INSTALLATION WITH ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OWNER. COORDINATION EFFORTS SHALL INCLUDE BUT ARE NOT LIMITED TO ENSURING PROPER CLEARANCES ARE PROVIDED FOR BOTH INSTALLATION AND OPERATION. EQUIPMENT SHALL BE AS TIGHT TO CASEWORK AS POSSIBLE AS PERMITTED BY EQUIPMENT REQUIREMENTS. PRIOR TO INSTALLATION OF CASEWORK EQUIPMENT CUT SHEETS & INSTALLATION INSTRUCTIONS SHALL BE POSTED WITH IN THE ROOM WHERE WORK IS BEING PERFORMED. CONTRACTOR SHALL VERIFY FINAL REVIEWED SHOP DRAWINGS CONFORM TO EQUIPMENT AND CLEARANCE REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT AS EQUIPMENT TYPES AND MODELS ARE SUBJECT TO FACTORY BASED CHANGES FROM THE TIME OF DESIGN TO THE TIME OF PURCHASE INSTALL.
2	CONTRACTOR SHALL REFER TO ARCHITECTURAL WOODWORK STANDARDS 2014, CABINET DESIGN SERIES (CDS) FOR FURTHER INFORMATION ABOUT CASEWORK.
3	REFER TO SHEET A109 FOR FFE SCHEDULES & NOTES.

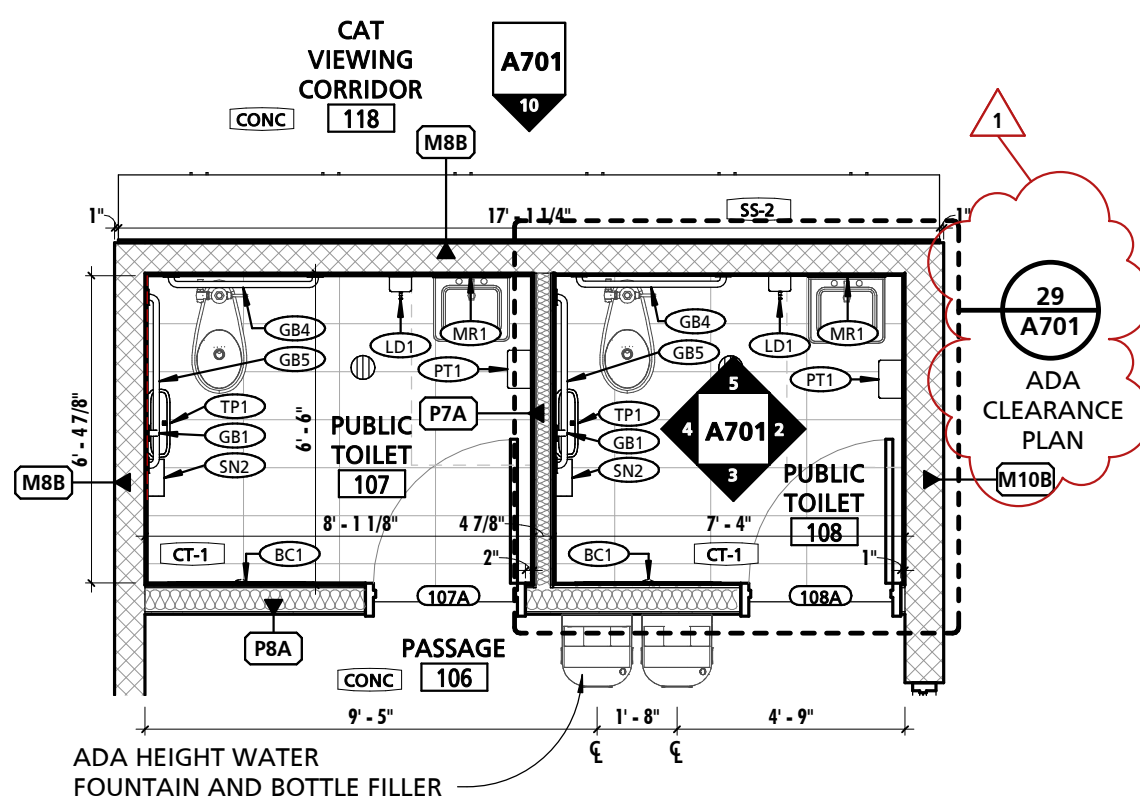
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



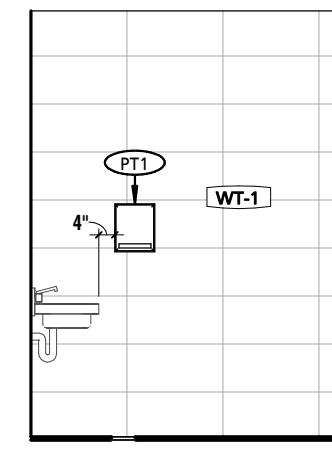
SCHEDULE - TOILET ROOM ACCESSORIES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
BC1	RECESSED DIAPER CHANGING STATION	KOALA	KB100-01ST GREY	
CR1	SHOWER CURTAIN ROD	BOBRICK	B-207	
GB1	18" GRAB BAR	BOBRICK	B-5806	
GB4	36" GRAB BAR	BOBRICK	B-5806	
GB5	42" GRAB BAR	BOBRICK	B-5806	
GB6	48" GRAB BAR	BOBRICK	B-5806	
LD1	SOAP DISPENSER	TORK	571608	
MH1	MOP HOLDER	BOBRICK	B-223	
MR1	18" x 36" CHANNEL FRAME MIRROR	BOBRICK	B-165	
PT1	PAPER TOWEL DISPENSER	TORK	5511282	
RH1	DOUBLE ROBE HOOK	AMERICAN SPECIALTIES	7345	
SD1	SOAP DISH	AMERICAN SPECIALTIES	7320	
SN2	SANITARY WASTE RECEPTACLE	BOBRICK	B-270	
SS1	SHOWER SEAT	BOBRICK	B-5192	
TP1	TOILET PAPER DISPENSER	TORK	555290	

MATERIAL FINISH KEY - INTERIOR					
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	COLOR SELECTION	BOD COMMENTS
B-1	4" RUBBER BASE - COLOR 1	JOHNSONITE	TRADITIONAL RUBBER BASE	DOCKSIDE	
B-2	4" RESINOUS COVE BASE	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
B-3	6x12 CERAMIC TILE COVE BASE	CROSSVILLE	BOHEMIA	BEATNIK	
CONC	SEALED CONCRETE	N/A	N/A	N/A	
CT-1	12x24 CERAMIC FLOOR TILE - COLOR 1	CROSSVILLE	BOHEMIA	BEATNIK	
EPX-1	EPOXY PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
EPX-2	EPOXY PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	OSAGE ORANGE	
EPX-3	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	CITYSCAPE	
EPX-4	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
FT-4	FLOORING TRANSITION TYPE	N/A	N/A	N/A	SEE DETAIL 3/A107
HPC-1	HIGH-PERFORMANCE COATING - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETTRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSA-LOK	STAY IN LIME SW 9032	
MP-2.1	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRALOK	SLATE BLUE	
MP-2.2	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRALOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PP-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PP-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
RES-2	RESINOUS WALL COATING	DUREX	DYMAFLAKE	ARCTIC	
SS-1	SOLID SURFACE - COLOR 1	CORIAN	SOLID SURFACE	MINERAL	
SS-2	SOLID SURFACE - COLOR 2	FORMICA	SOLID SURFACE	BOTTLE GLASS QUARTZ 770	
SS-3	SOLID SURFACE - COLOR 3	CORIAN	SOLID SURFACE	DEEP CLOUD	
STAIN	CONCRETE STAIN & SEALER	H&C CONCRETE	INFUSION	GOLD LEAF	SEE SPECIFICATIONS FOR STAIN & SEALER
ST STL	STAINLESS STEEL COUNTERTOP	N/A	N/A	N/A	COUNTERTOP W/ MARINE EDGE AND INTEGRAL BACKSPLASH PROVIDE PVC EDGE TRIM
SW-1	SLAT WALL	MARLITE	SLATWALL	WINDSOR	
WOM	20x20 WALK-OFF CARPET TILE	MOHAWK GROUP	TUFF STUFF II	COBALT	
WT-1	12x24 CERAMIC WALL TILE - COLOR 1	CROSSVILLE	BOHEMIA	TINKER	

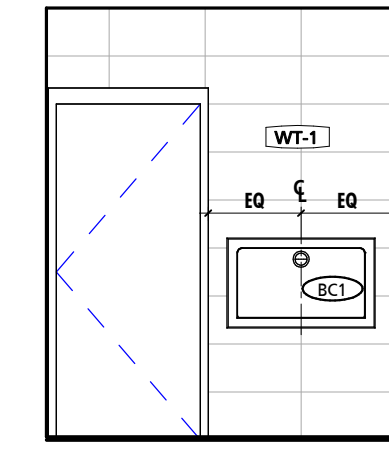
GENERAL INTERIOR ELEVATION NOTES	
NOTE #	NOTE
1	CONTRACTOR SHALL BE REQUIRED TO COORDINATE FINAL CASEWORK SHOP DRAWINGS AND INSTALLATION WITH ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OWNER. COORDINATION EFFORTS SHALL INCLUDE BUT ARE NOT LIMITED TO ENSURING PROPER CLEARANCES ARE PROVIDED FOR BOTH INSTALLATION AND OPERATION. EQUIPMENT SHALL BE AS TIGHT TO CASEWORK AS POSSIBLE AS PERMITTED BY EQUIPMENT REQUIREMENTS. PRIOR TO INSTALLATION OF CASEWORK EQUIPMENT CUT SHEETS & INSTALLATION INSTRUCTIONS SHALL BE POSTED WITH IN THE ROOM WHERE WORK IS BEING PERFORMED. CONTRACTOR SHALL VERIFY FINAL REVISED SHOP DRAWINGS CONFORM TO EQUIPMENT AND CLEARANCE REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT AS EQUIPMENT TYPES AND MODELS ARE SUBJECT TO FACTORY BASED CHANGES FROM THE TIME OF DESIGN TO THE TIME OF PURCHASE INSTALL. CONTRACTOR SHALL REFER TO ARCHITECTURAL WOODWORK STANDARDS 2014, CABINET DESIGN SERIES (CDS) FOR FURTHER INFORMATION ABOUT CASEWORK
2	REFER TO SHEET A109 FOR FFE SCHEDULES & NOTES.
3	



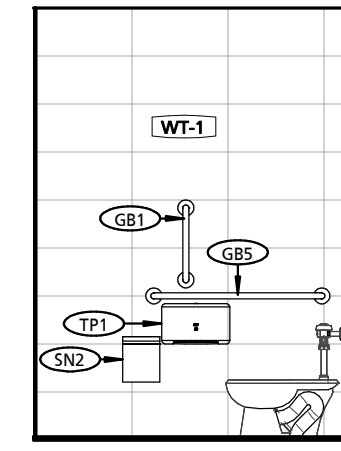
1 PUBLIC TOILETS 107 & 108
1/4" = 1'-0"



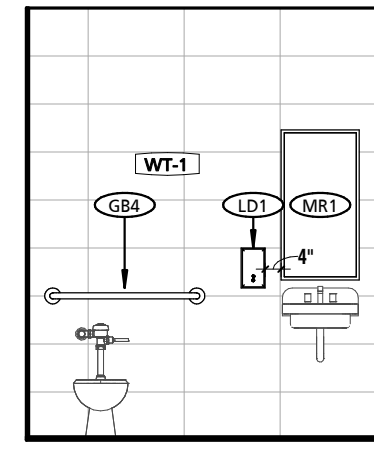
2 TYP. PT ELEVATION
1/4" = 1'-0"



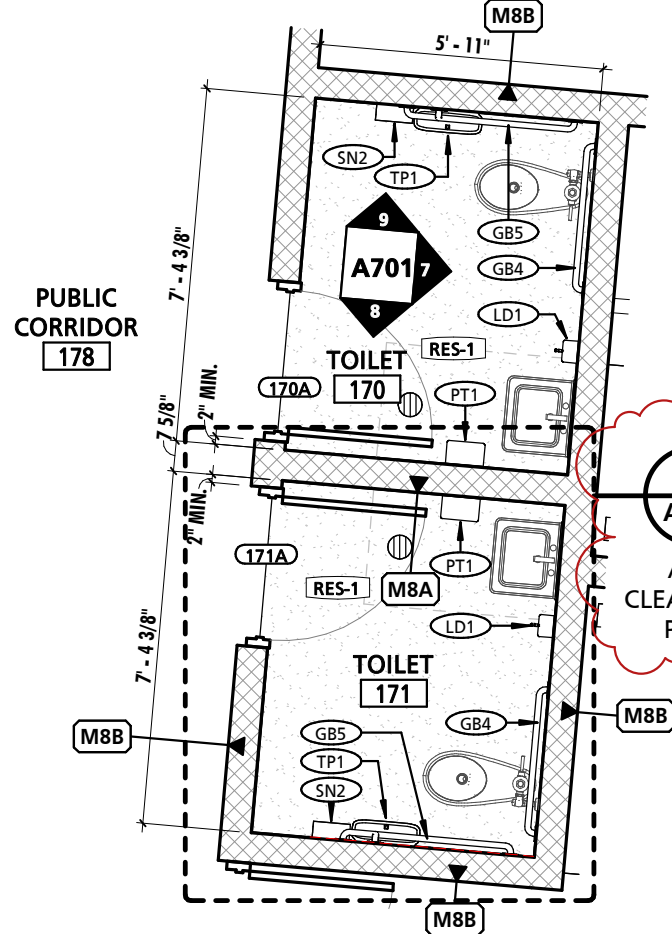
3 TYP. BC ELEVATION
1/4" = 1'-0"



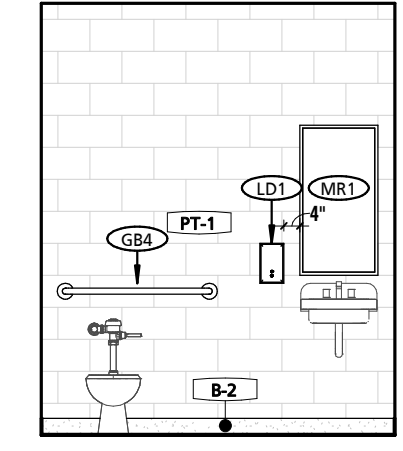
4 TYP. TOILET SIDE WALL
1/4" = 1'-0"



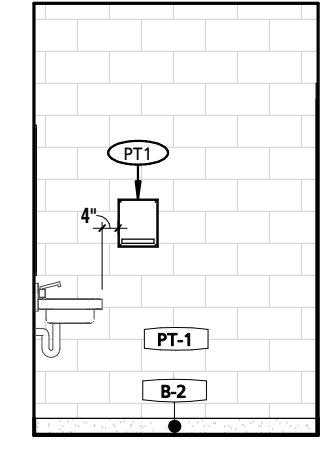
5 TYP. TOILET BACK WALL
1/4" = 1'-0"



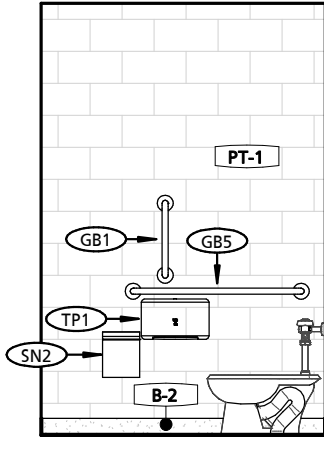
6 TOILETS 170 & 171
1/4" = 1'-0"



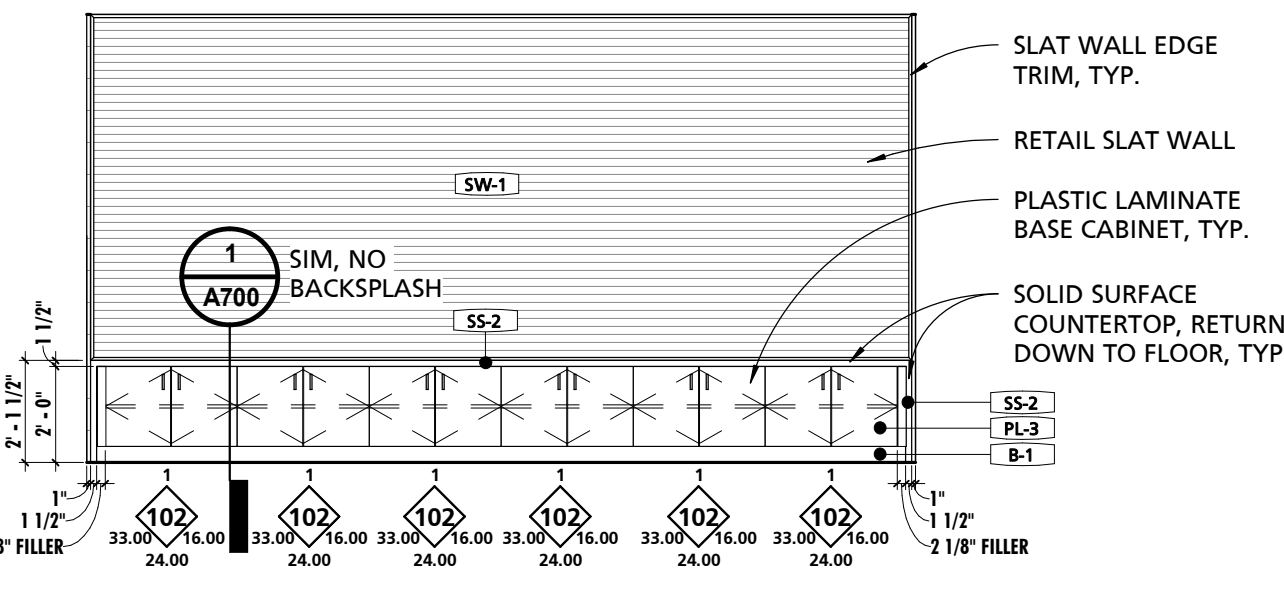
7 TYP. TOILET BACK WALL
1/4" = 1'-0"



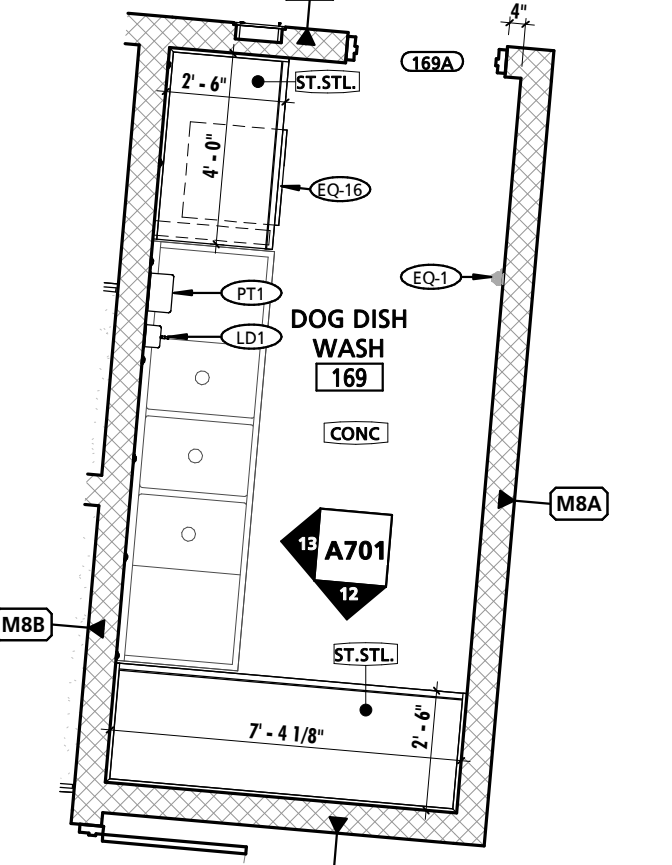
8 TYP. PT ELEVATION
1/4" = 1'-0"



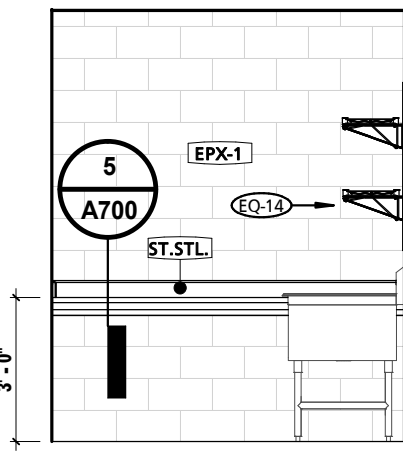
9 TYP. TOILET SIDE WALL
1/4" = 1'-0"



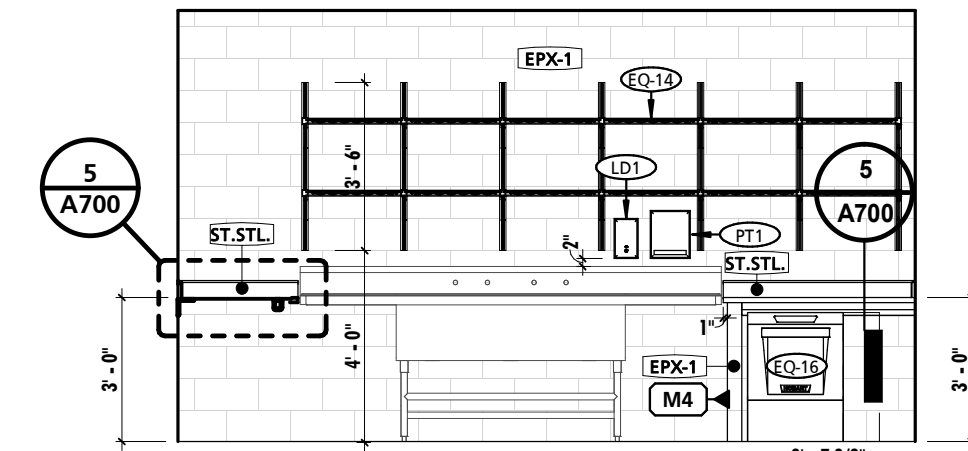
10 CAT VIEWING CORRIDOR 118 - SOUTH
1/4" = 1'-0"



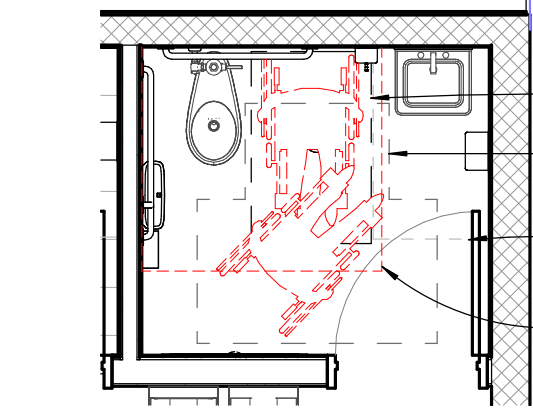
11 DOG DISH WASH 169
1/4" = 1'-0"



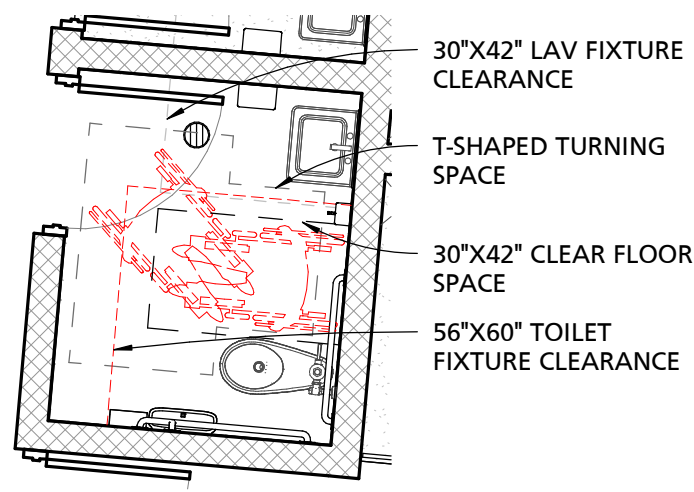
12 DOG DISH WASH - SOUTH
1/4" = 1'-0"



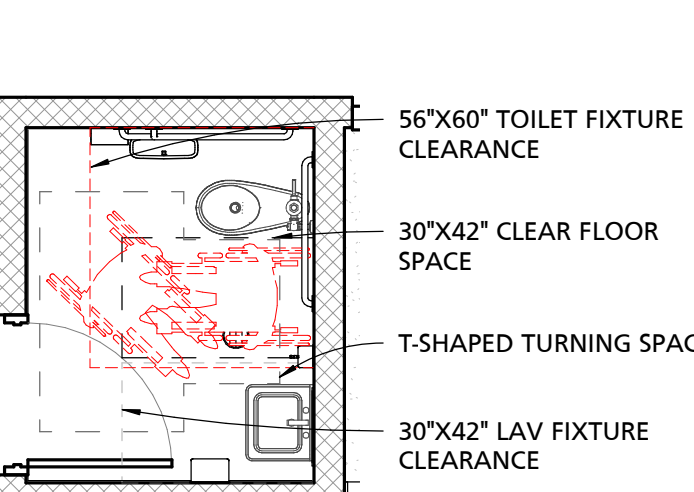
13 DOG DISH WASH - WEST
1/4" = 1'-0"



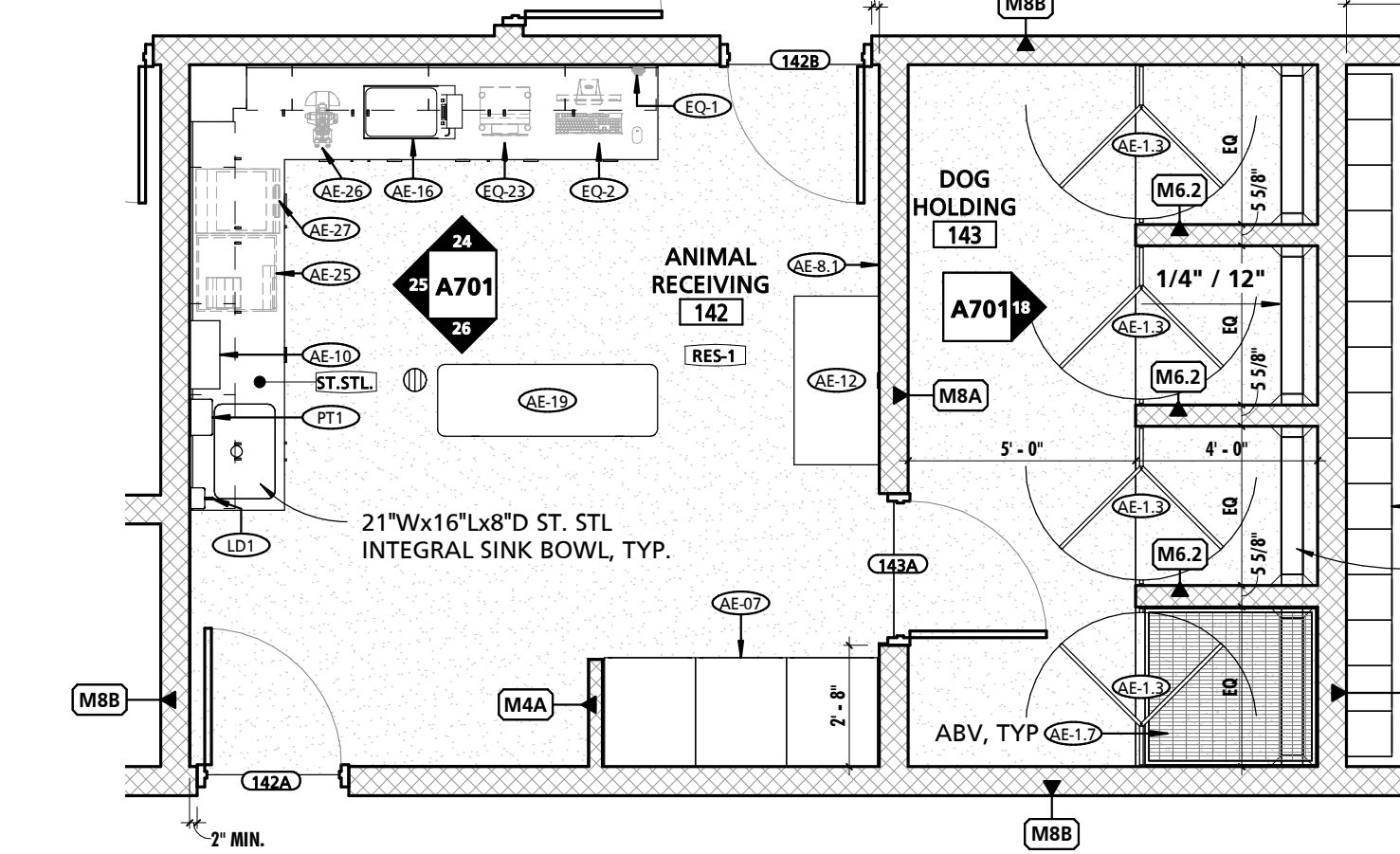
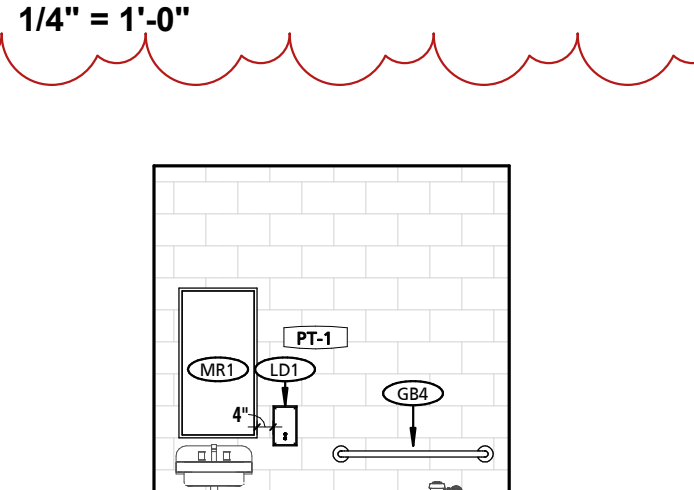
29 PUBLIC TOILET 108 ADA
1/4" = 1'-0"



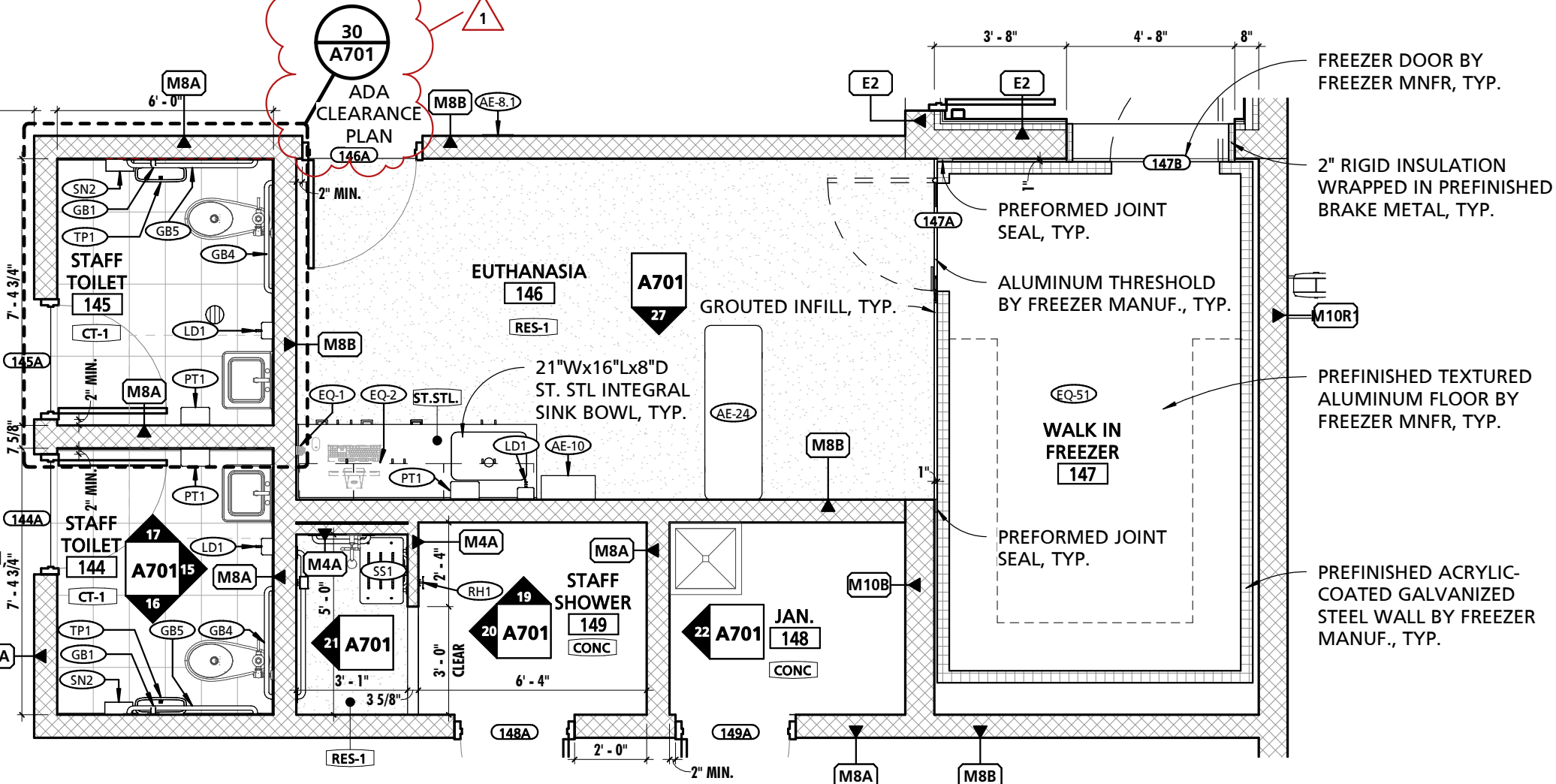
28 TOILET 171 ADA
1/4" = 1'-0"



30 TOILET 145 ADA
1/4" = 1'-0"



14 ENLARGED PLAN @ ADMINISTRATIVE CORE
1/4" = 1'-0"



15 TYP. TOILET BACK WALL
1/4" = 1'-0"

16 TYP. TOILET SIDE WALL
1/4" = 1'-0"

17 TYP. PT ELEVATION
1/4" = 1'-0"

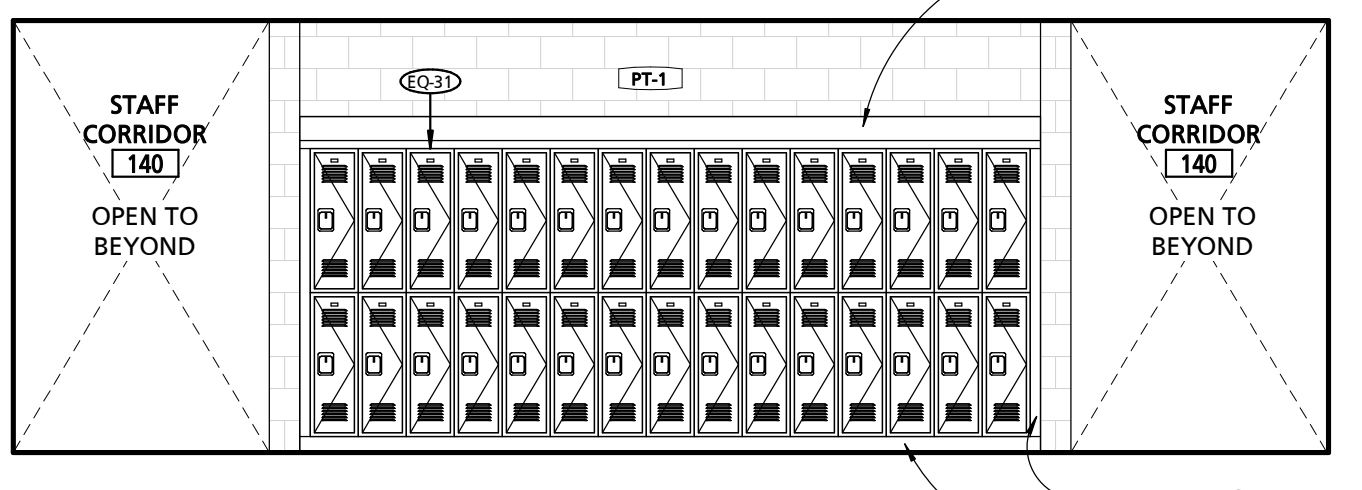
18 DOG HOLDING - EAST
1/4" = 1'-0"

19 STAFF SHOWER END WALL
1/4" = 1'-0"

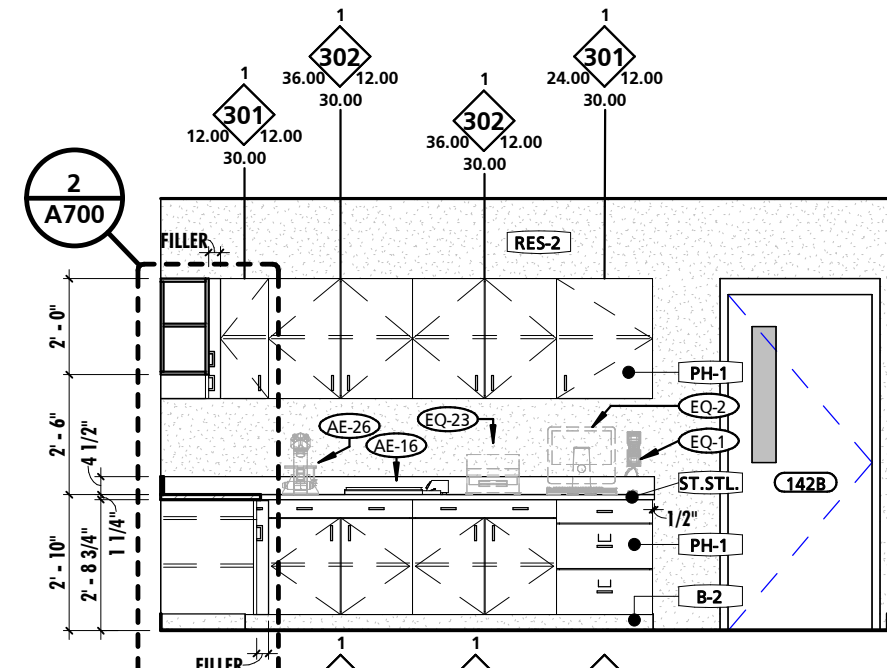
20 STAFF SHOWER WEST
1/4" = 1'-0"

21 STAFF SHOWER BACK WALL
1/4" = 1'-0"

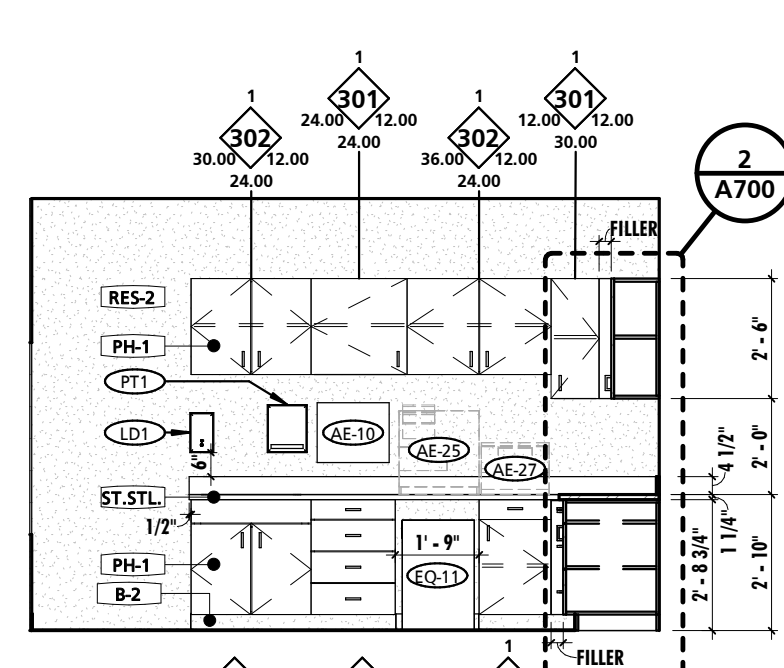
22 JAN - WEST
1/4" = 1'-0"



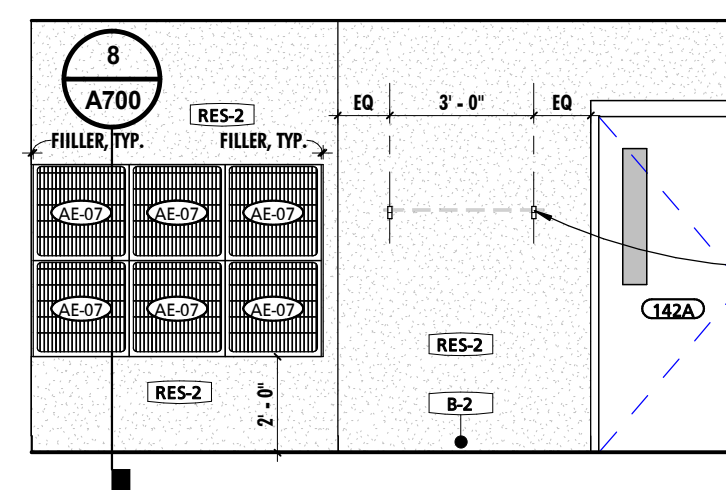
23 STAFF LOCKERS - WEST
1/4" = 1'-0"



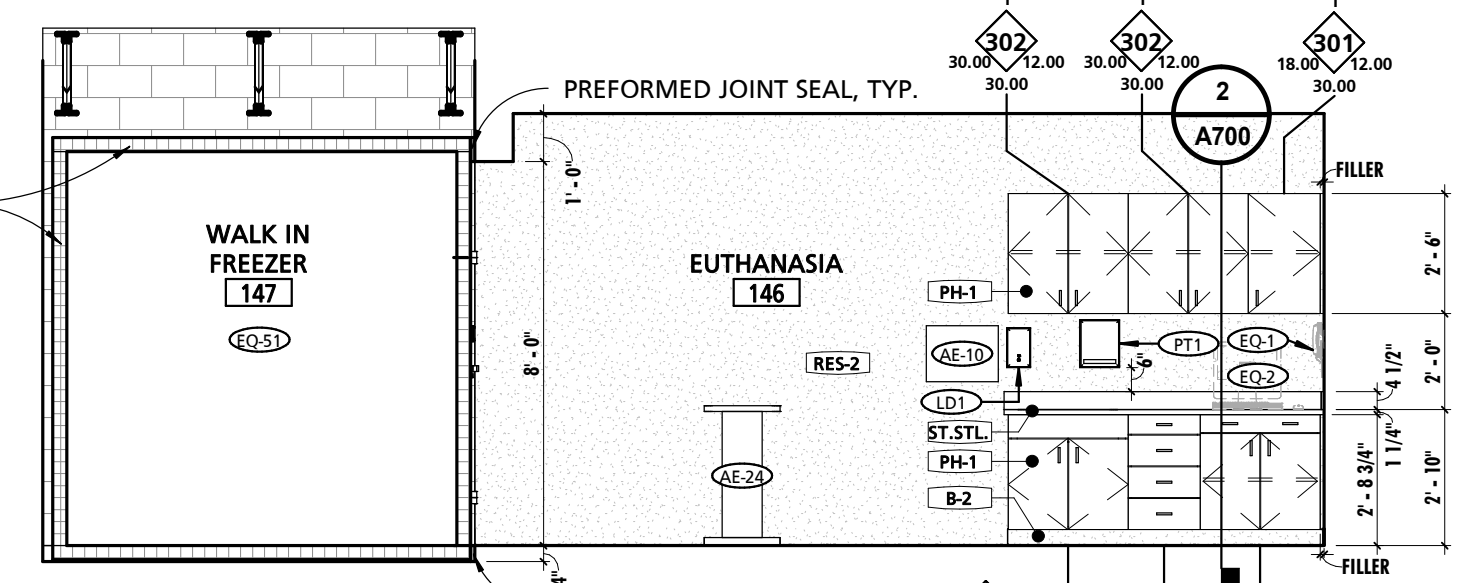
24 ANIMAL RECEIVING - NORTH
1/4" = 1'-0"



25 ANIMAL RECEIVING - WEST
1/4" = 1'-0"



26 ANIMAL RECEIVING - SOUTH
1/4" = 1'-0"



27 EUTHANASIA - SOUTH
1/4" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 8-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS	03-02-20

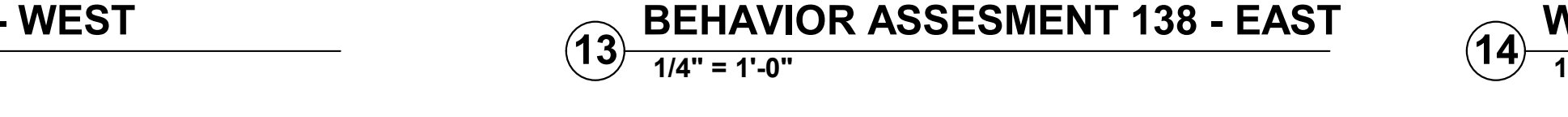
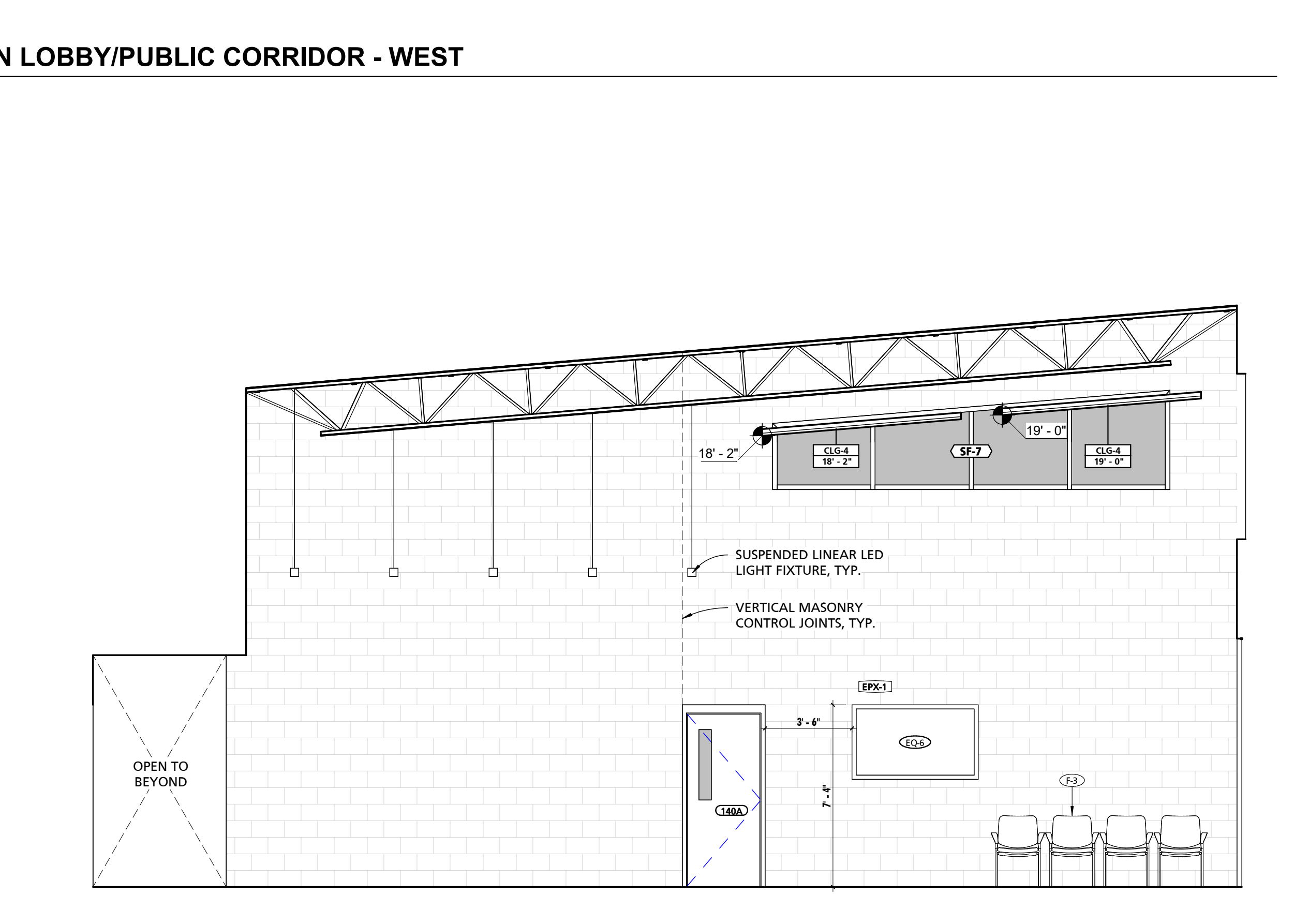
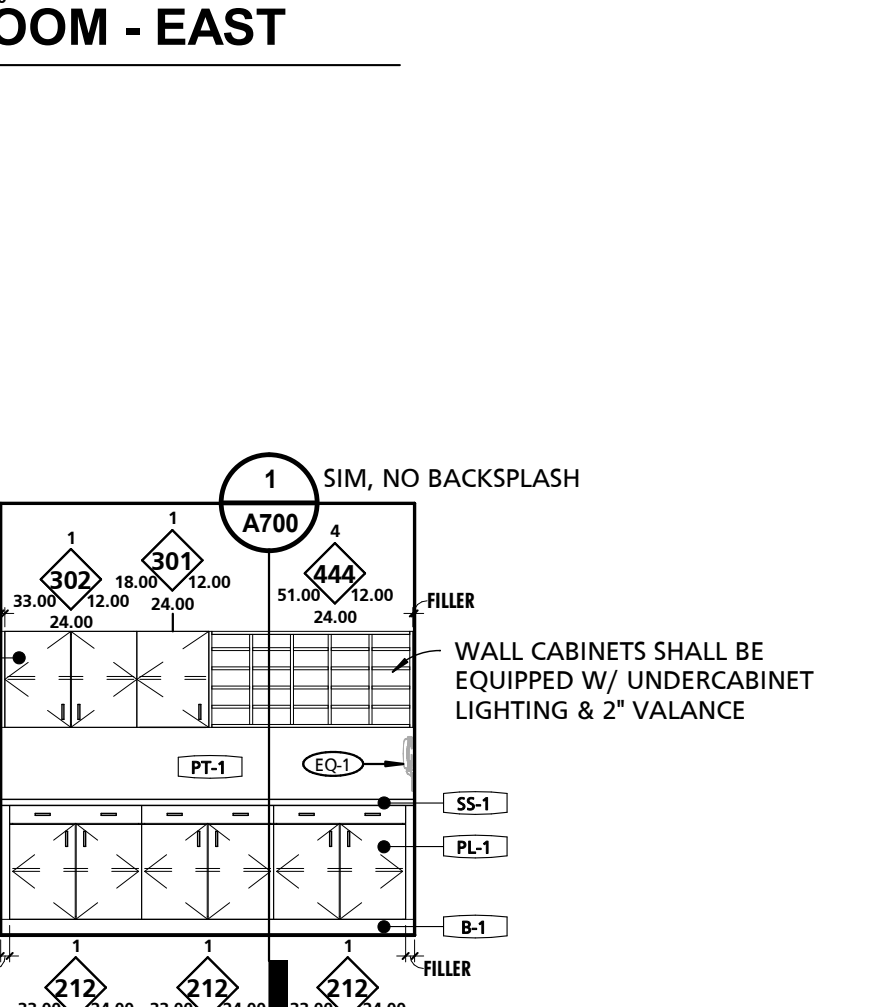
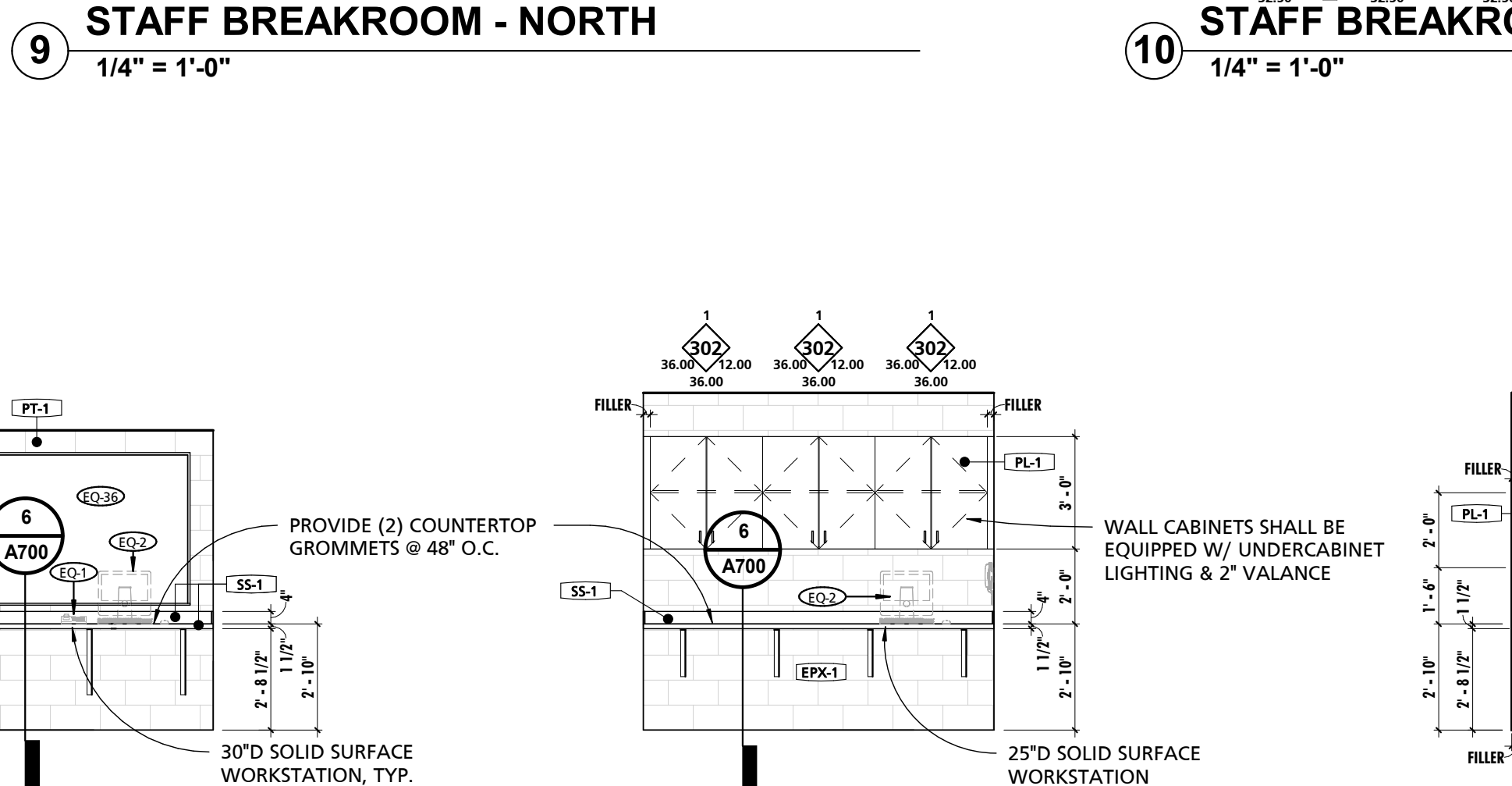
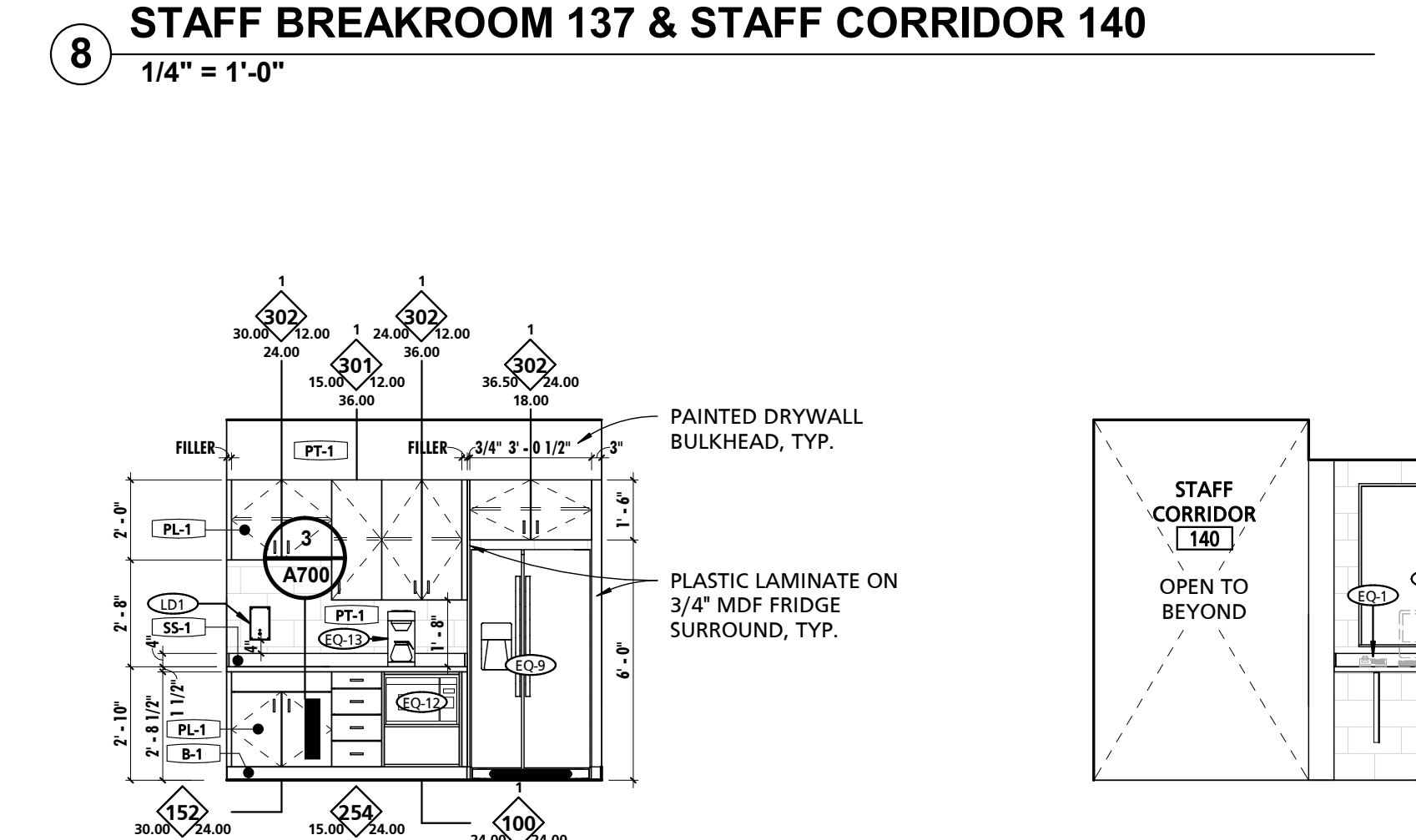
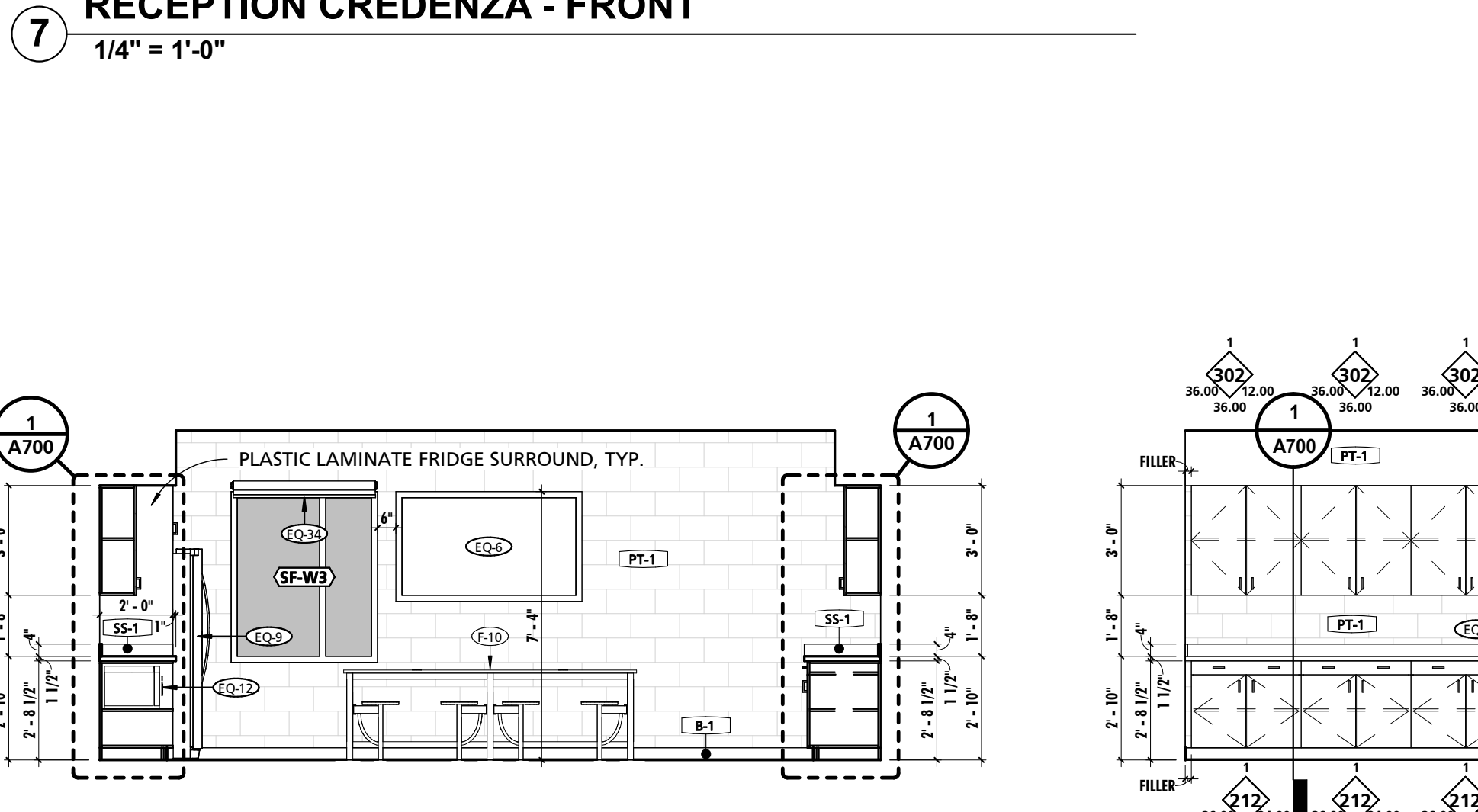
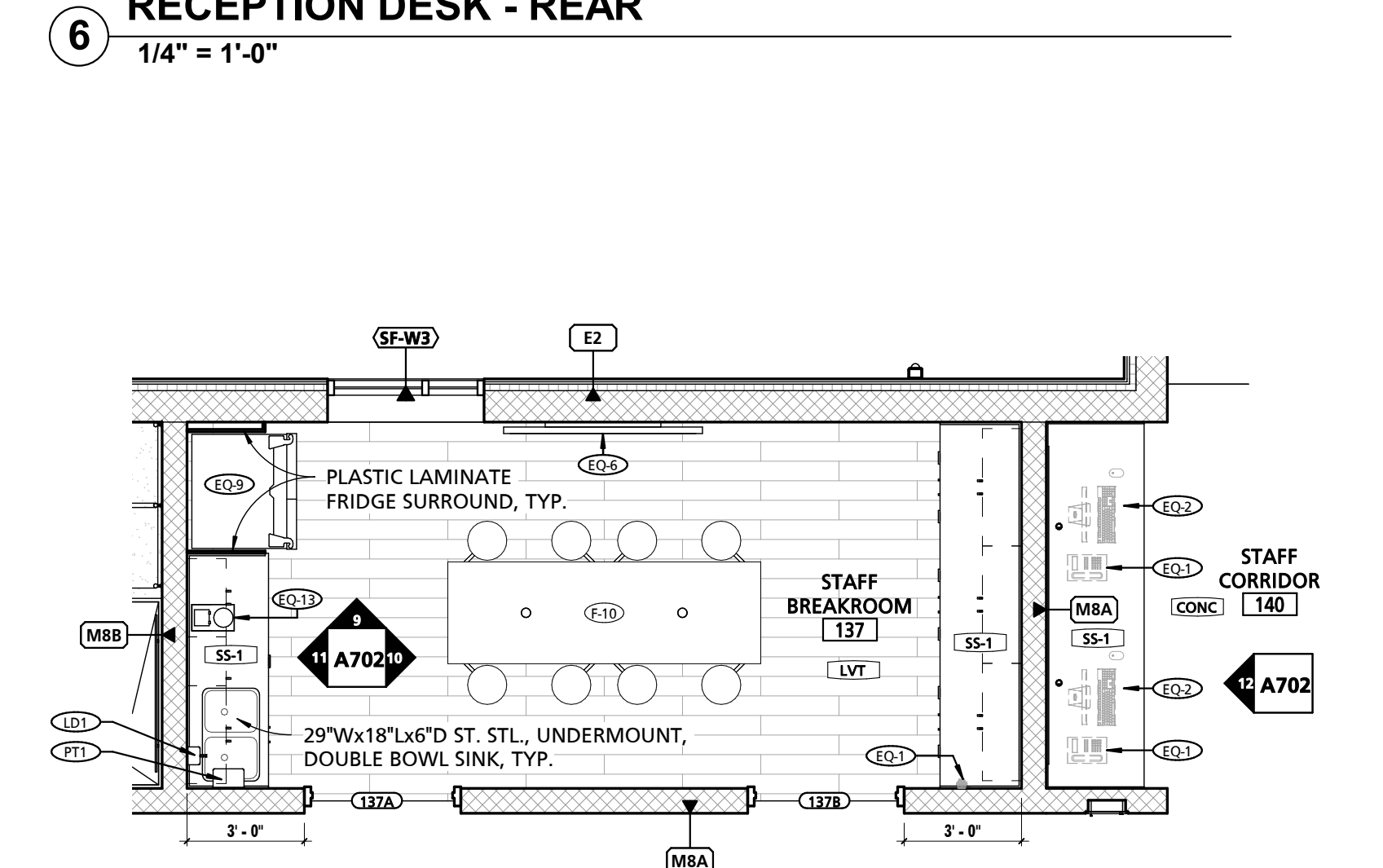
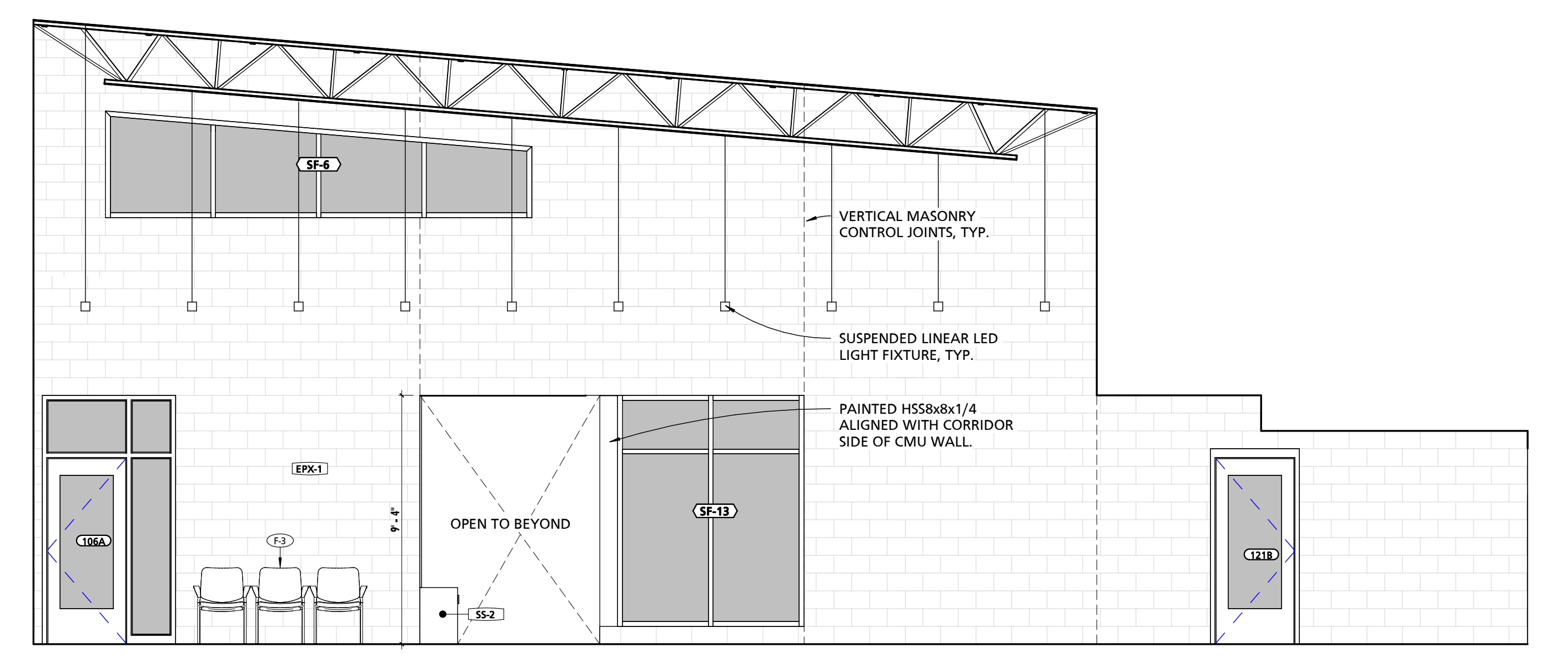
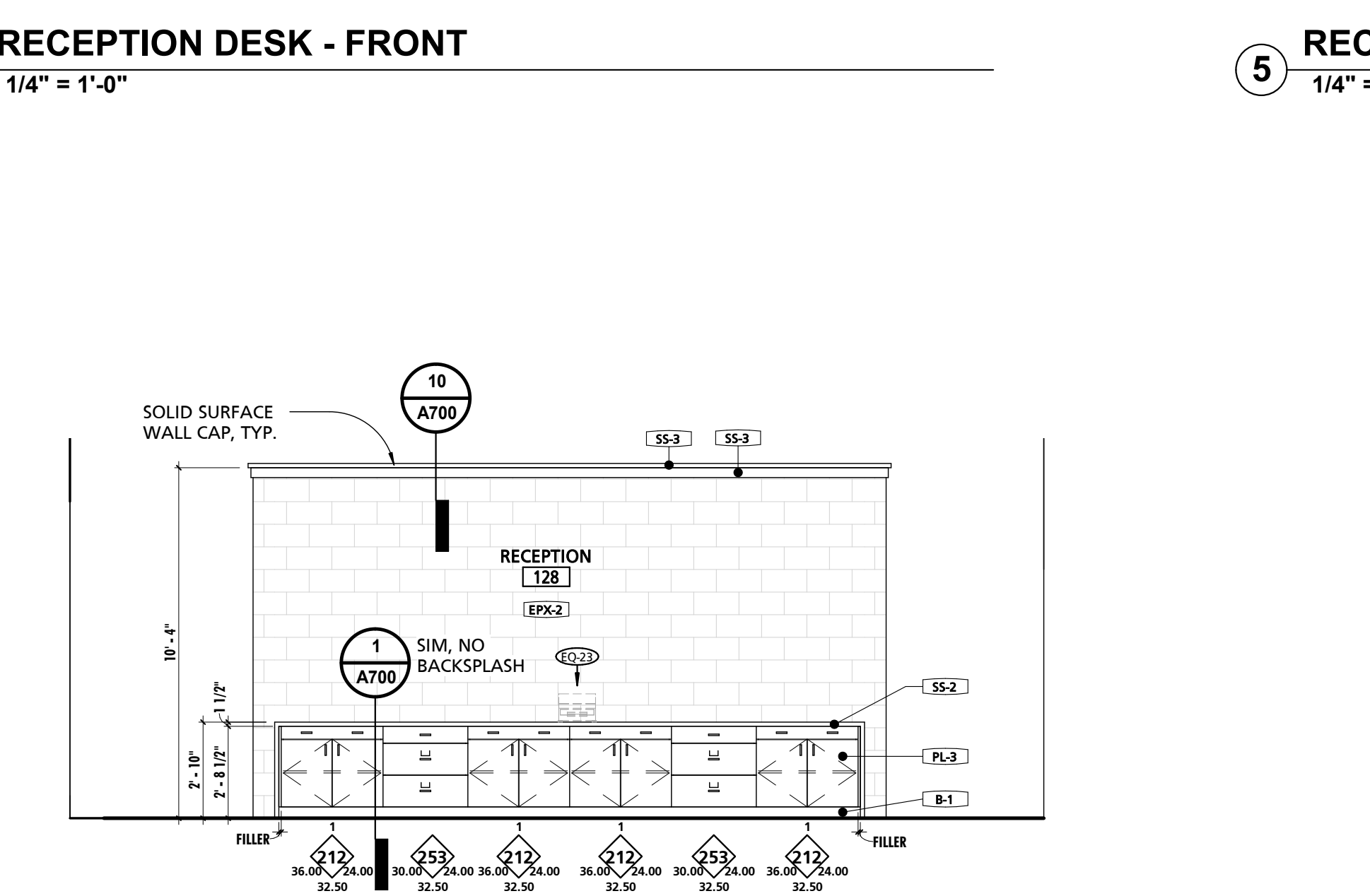
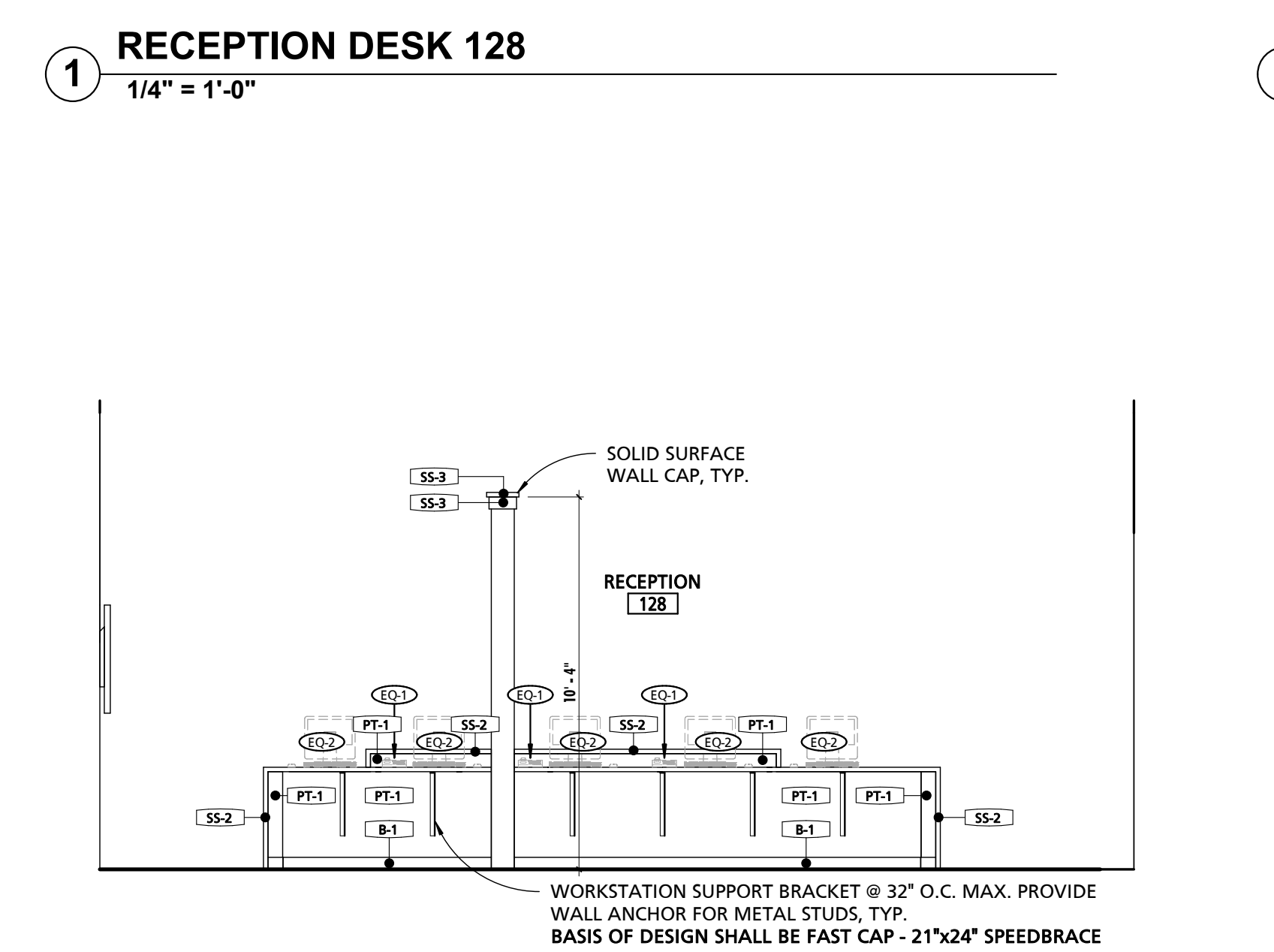
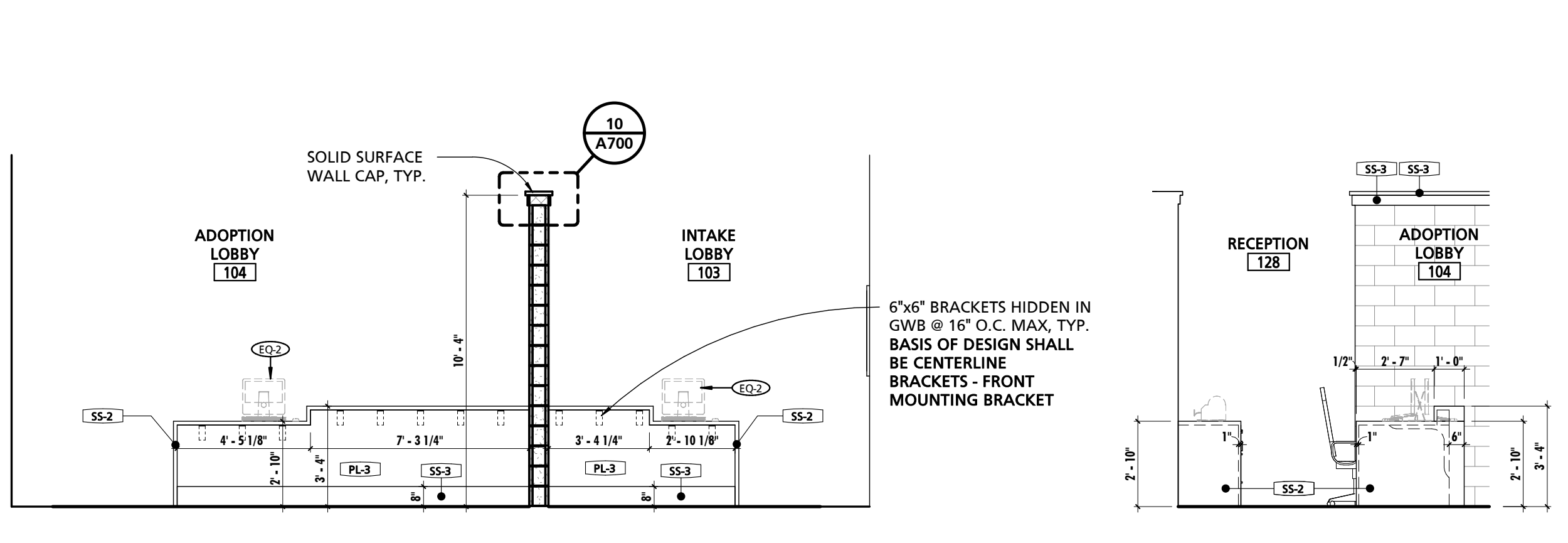
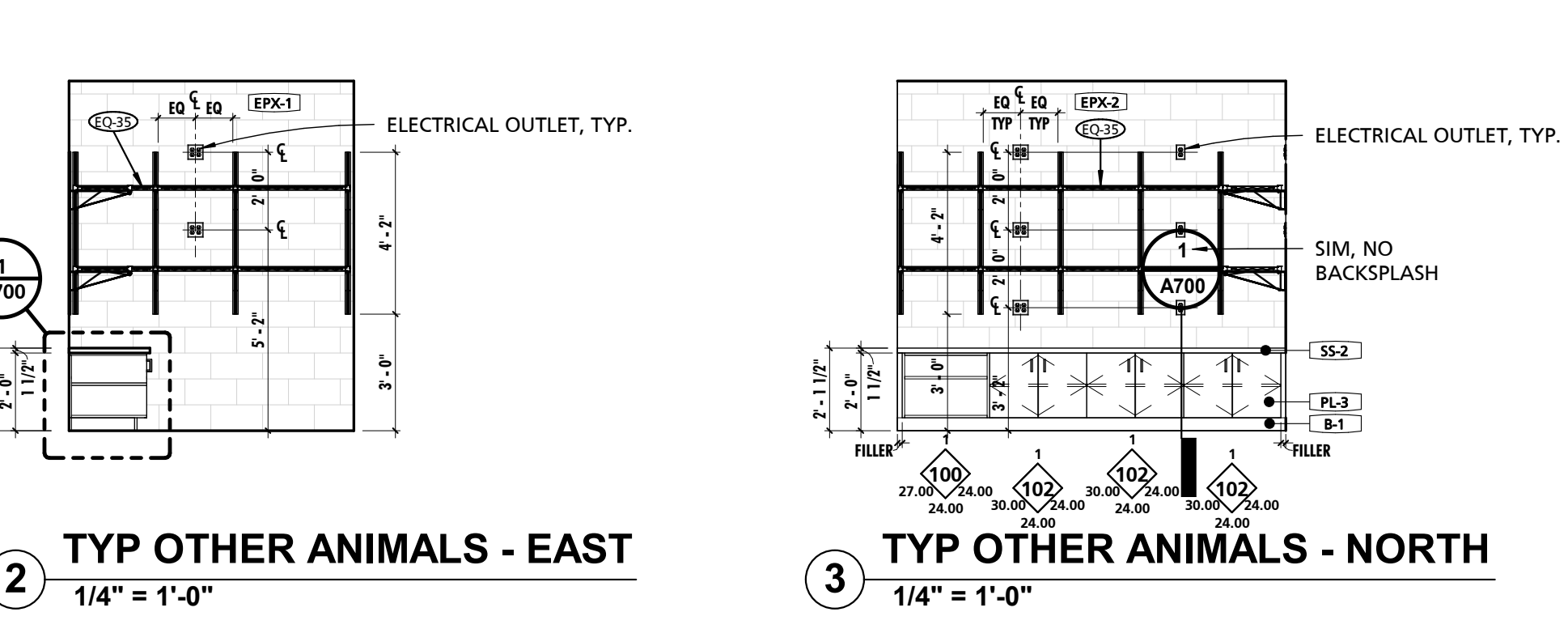
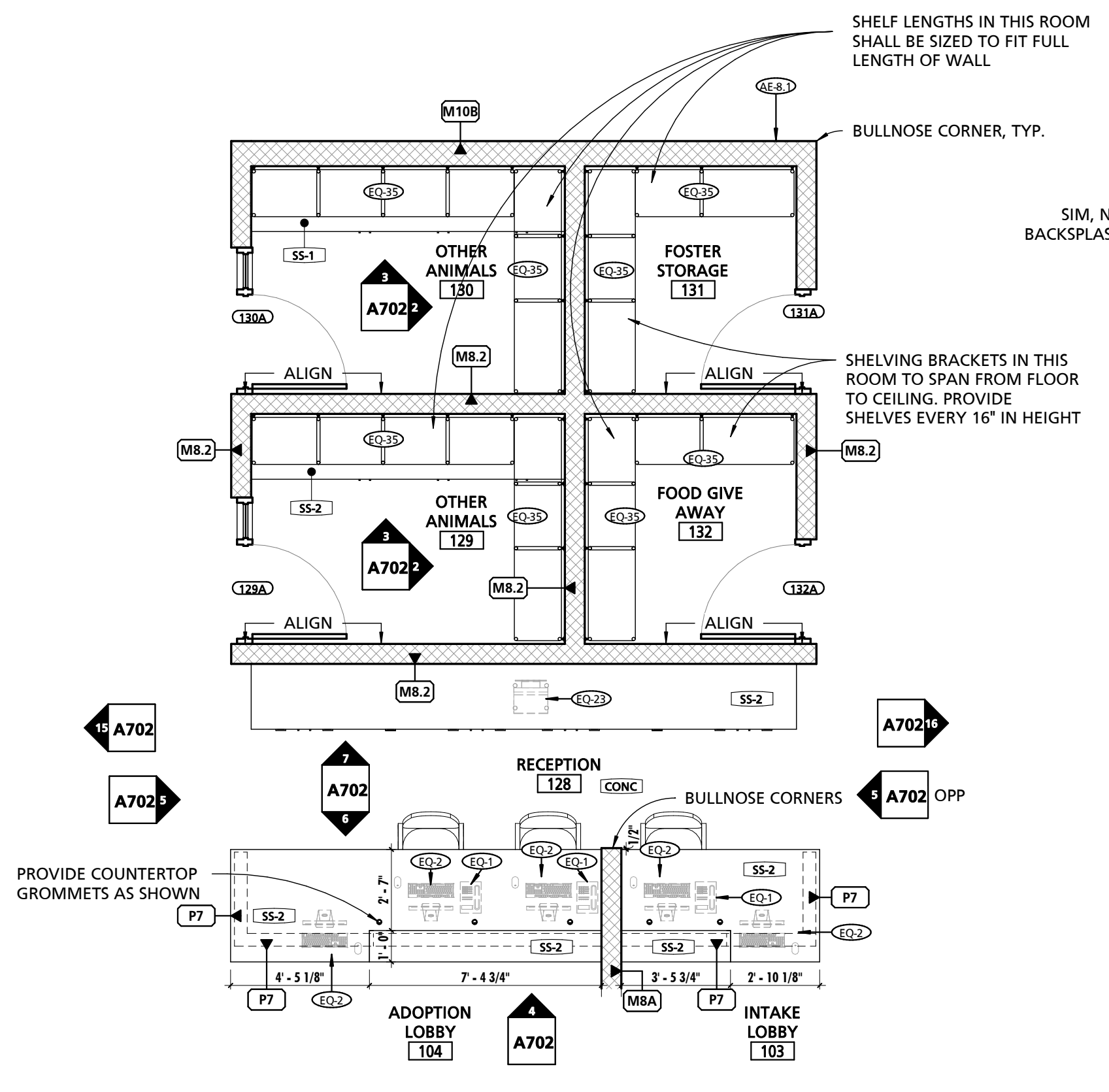
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
ENLARGED PLANS & INT. ELEVATIONS
SHEET NUMBER:
A701

GENERAL INTERIOR ELEVATION NOTES

NOTE #	NOTE
1	CONTRACTOR SHALL BE REQUIRED TO COORDINATE FINAL CASEWORK SHOP DRAWINGS AND INSTALLATION WITH ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OWNER. COORDINATION EFFORTS SHALL INCLUDE BUT ARE NOT LIMITED TO ENSURING PROPER CLEARANCES ARE PROVIDED FOR BOTH INSTALLATION AND OPERATION. EQUIPMENT SHALL BE AS TIGHT TO CASEWORK AS POSSIBLE AS PERMITTED BY EQUIPMENT REQUIREMENTS. PRIOR TO INSTALLATION OF CASEWORK EQUIPMENT CUT SHEETS & INSTALLATION INSTRUCTIONS SHALL BE POSTED WITH IN THE ROOM WHERE WORK IS BEING PERFORMED. CONTRACTOR SHALL VERIFY FINAL REVIEWED SHOP DRAWINGS CONFORM TO EQUIPMENT AND CLEARANCE REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT AS EQUIPMENT TYPES AND MODELS ARE SUBJECT TO FACTORY BASED CHANGES FROM THE TIME OF DESIGN TO THE TIME OF PURCHASE INSTALL.
2	CONTRACTOR SHALL REFER TO ARCHITECTURAL WOODWORK STANDARDS 2014, CABINET DESIGN SERIES (CDS) FOR FURTHER INFORMATION ABOUT CASEWORK.
3	REFER TO SHEET A109 FOR FFE SCHEDULES & NOTES.

MATERIAL FINISH KEY - INTERIOR

MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	COLOR SELECTION	BOD COMMENTS
B-1	4" RUBBER BASE - COLOR 1	JOHNSONITE	TRADITIONAL RUBBER BASE	DOCKSIDE	
B-2	4" RESINOUS COVE BASE	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
B-3	6x12 CERAMIC TILE COVE BASE	CROSSVILLE	BOHEMIA	BEATNIK	
CONC	SEALED CONCRETE	N/A	N/A	N/A	
CT-1	12x24 CERAMIC FLOOR TILE - COLOR 1	CROSSVILLE	BOHEMIA	BEATNIK	
EPX-1	EPOXY PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
EPX-2	EPOXY PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	OSAGE ORAGE	
EPX-3	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	CITYSCAPE	
EPX-4	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
FT-#	FLOORING TRANSITION TYPE	N/A	N/A		SEE DETAIL 3/A107
HPC-1	HIGH-PERFORMANCE COATING - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSA-LOK	STAY IN LIME SW 9032	
MP-2.1	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRA-LOK	SLATE BLUE	
MP-2.2	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRA-LOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PT-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PT-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
RES-2	RESINOUS WALL COATING	DUREX	DYMAFLAKE	ARCTIC	
SS-1	SOLID SURFACE - COLOR 1	CORIAN	SOLID SURFACE	MINERAL	
SS-2	SOLID SURFACE - COLOR 2	FORMICA	SOLID SURFACE	BOTTLE GLASS QUARTZ 770	
SS-3	SOLID SURFACE - COLOR 3	CORIAN	SOLID SURFACE	DEEP CLOUD	
STAIN	CONCRETE STAIN & SEALER	H&C CONCRETE	INFUSION	GOLD LEAF	SEE SPECIFICATIONS FOR STAIN & SEALER
SW-1	SLAT WALL	MARLITE	SLATWALL	WINDSOR	PROVIDE PVC EDGE TRIM
WON	20x20 WALK-OFF CARPET TILE	MOHAWK GROUP	TUFF STUFF II	COBALT	
WT-1	12x24 CERAMIC WALL TILE - COLOR 1	CROSSVILLE	BOHEMIA	TINKER	



SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ENLARGED PLANS & INT. ELEVATIONS

SHEET NUMBER:
A702

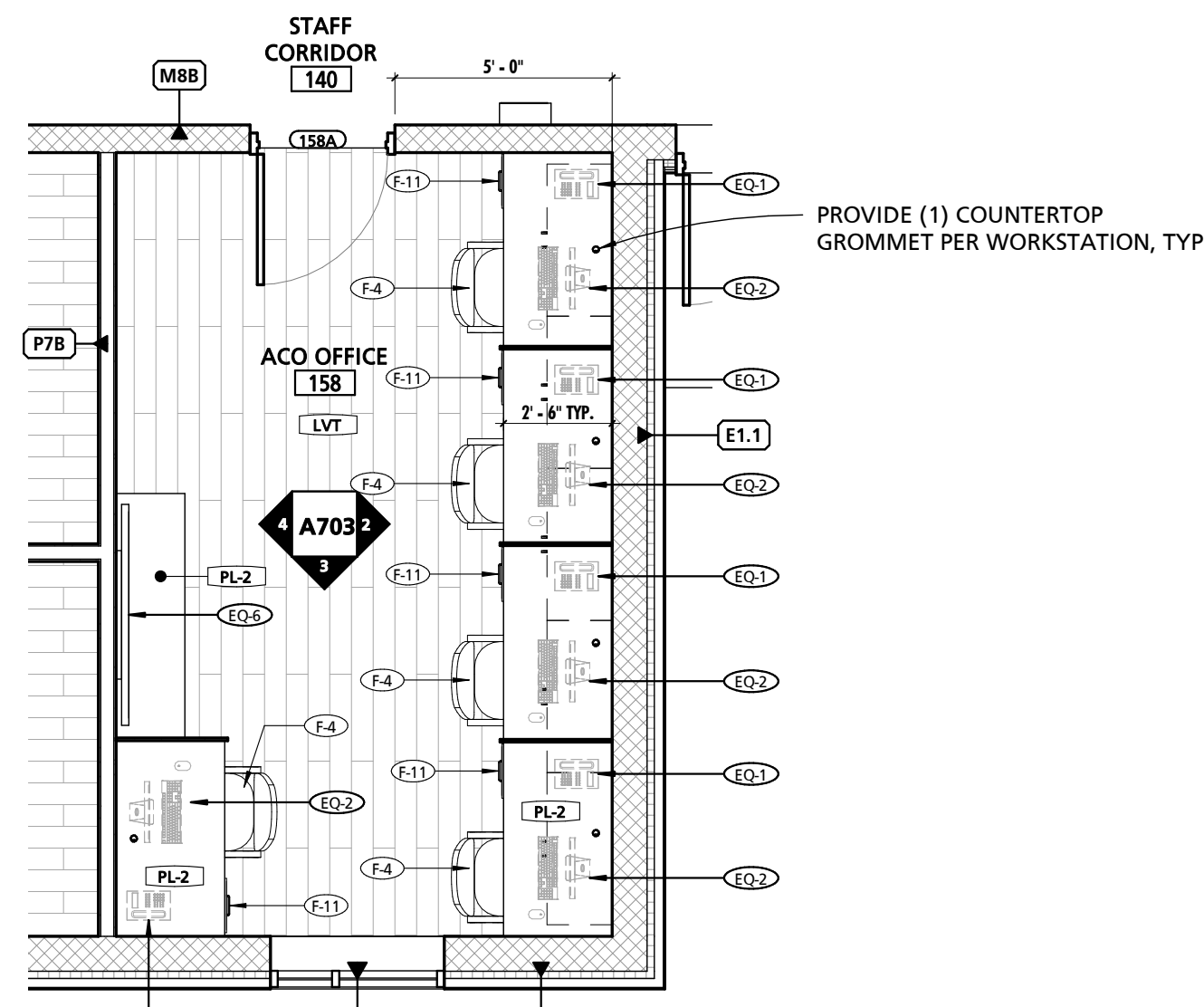
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 05-18-2025



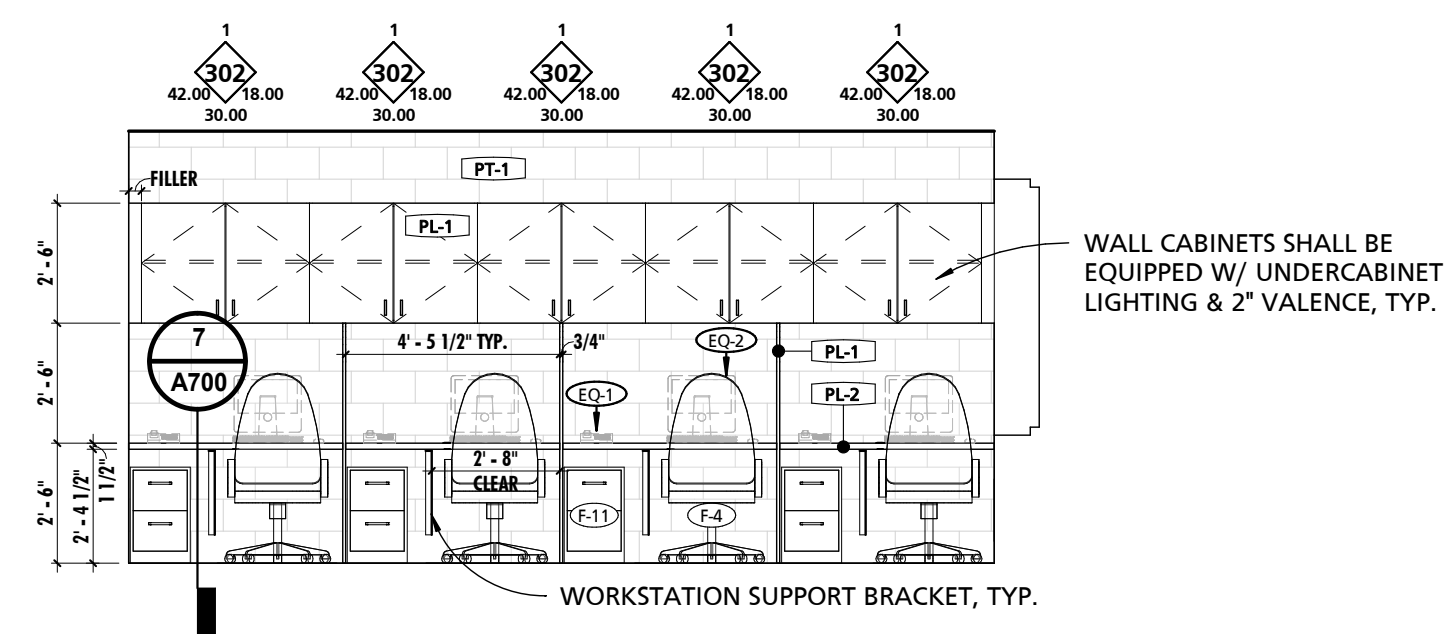
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO. DESCRIPTION DATE
PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: ENLARGED PLANS & INT. ELEVATIONS
SHEET NUMBER: A703

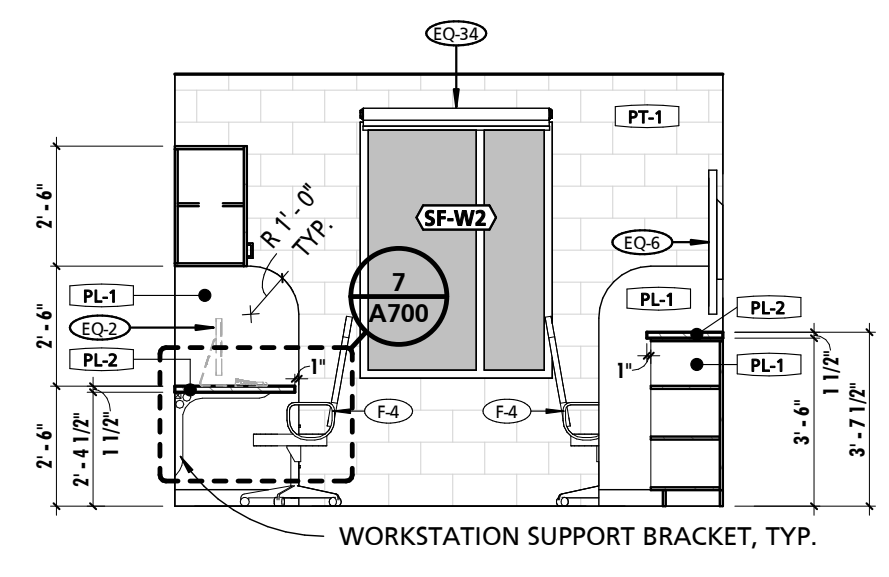
1/20/2019 9:33:36 AM



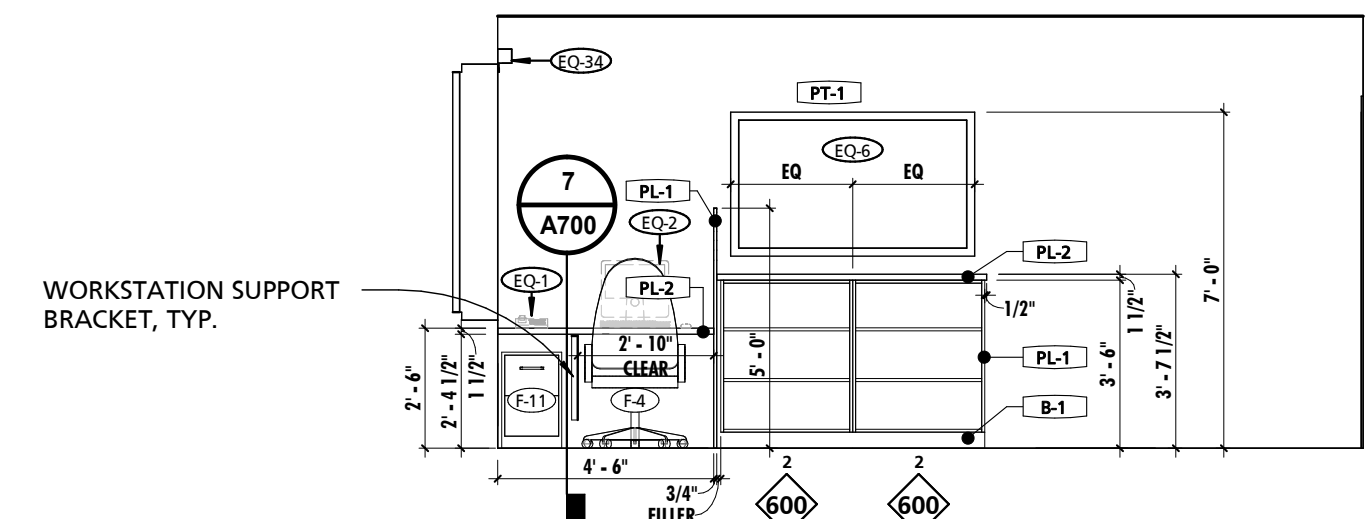
1 ACO OFFICE 158
1/4" = 1'-0"



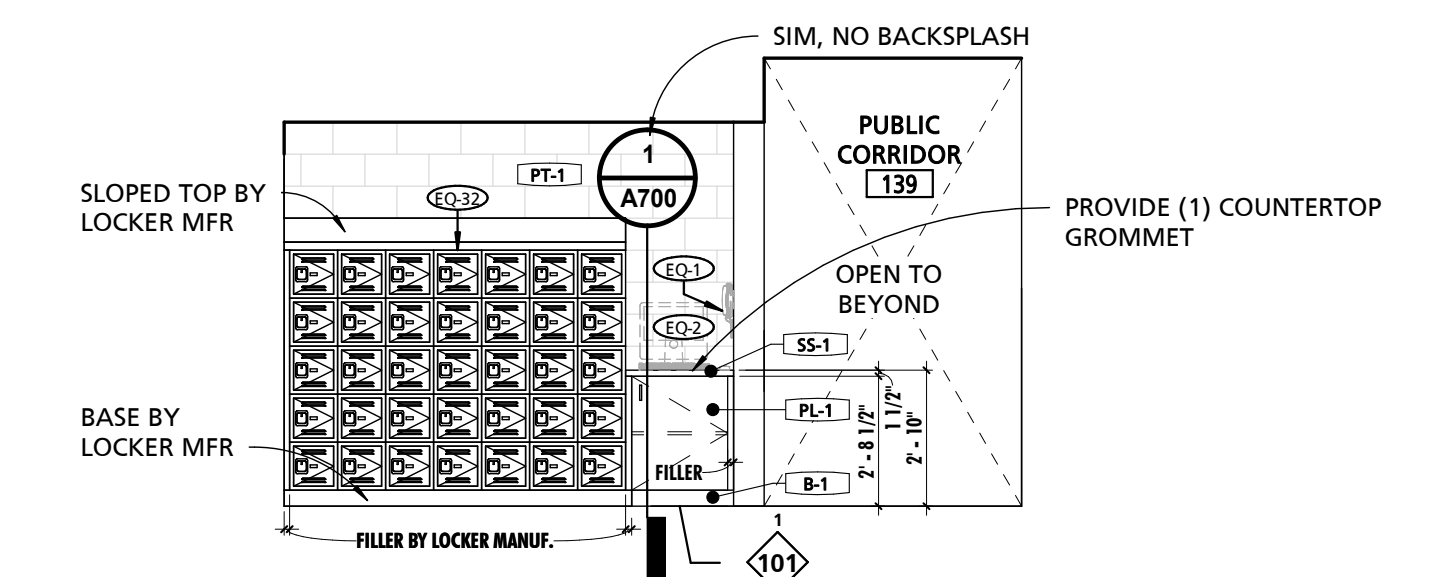
2 ACO OFFICE - EAST
1/4" = 1'-0"



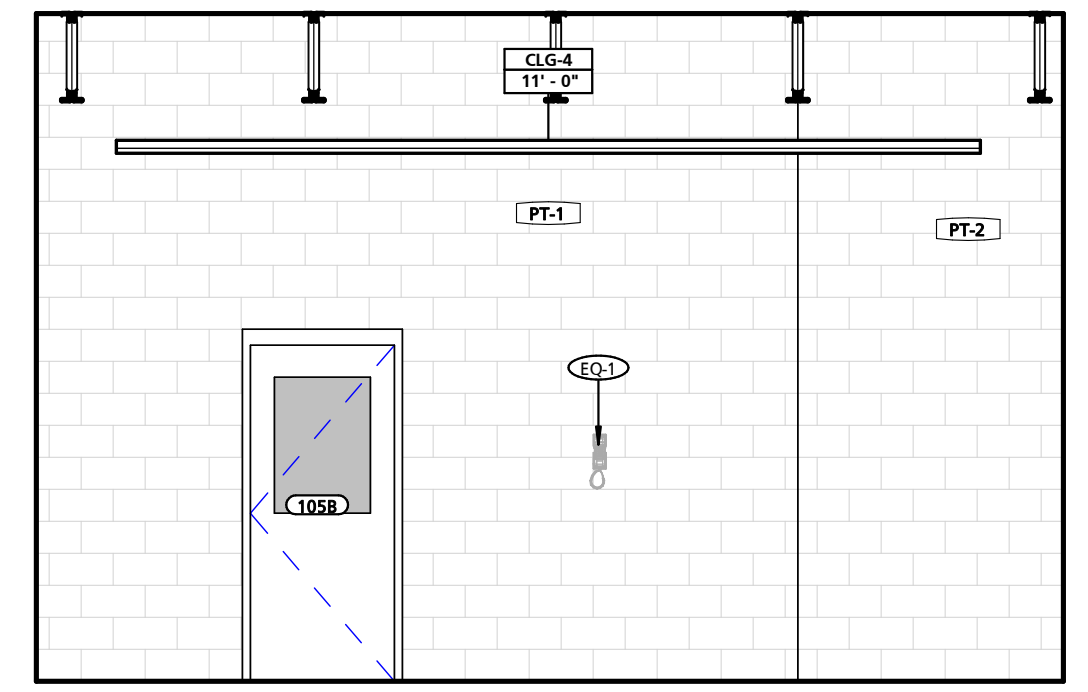
3 ACO OFFICE - SOUTH
1/4" = 1'-0"



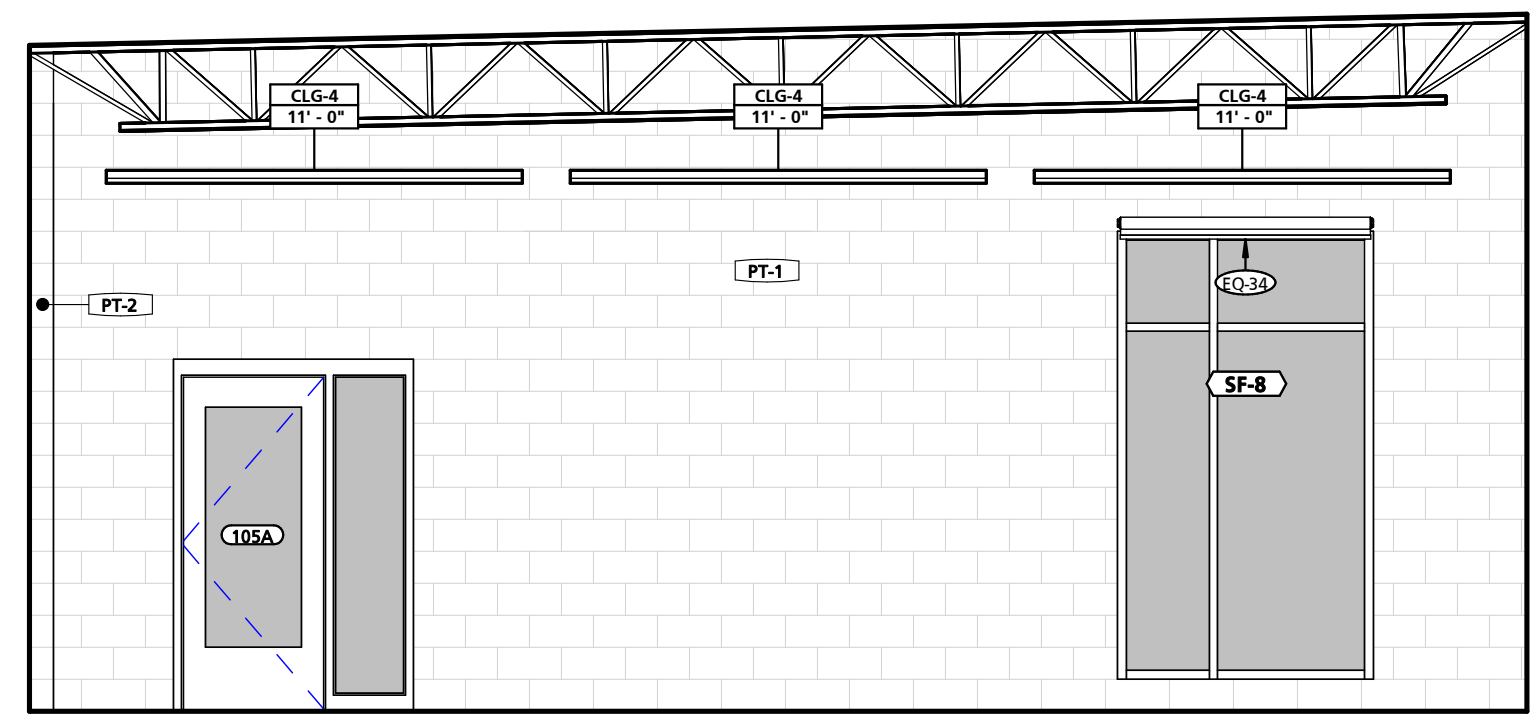
4 ACO OFFICE - WEST
1/4" = 1'-0"



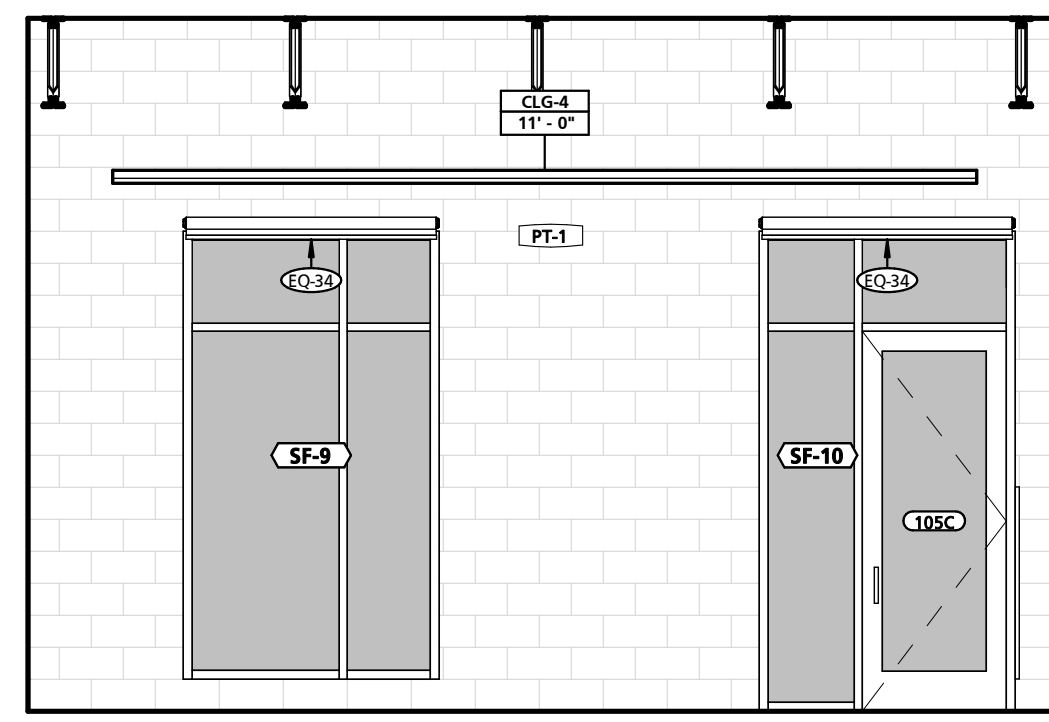
5 PUBLIC CORRIDOR 139 - VOLUNTEER LOCKERS
1/4" = 1'-0"



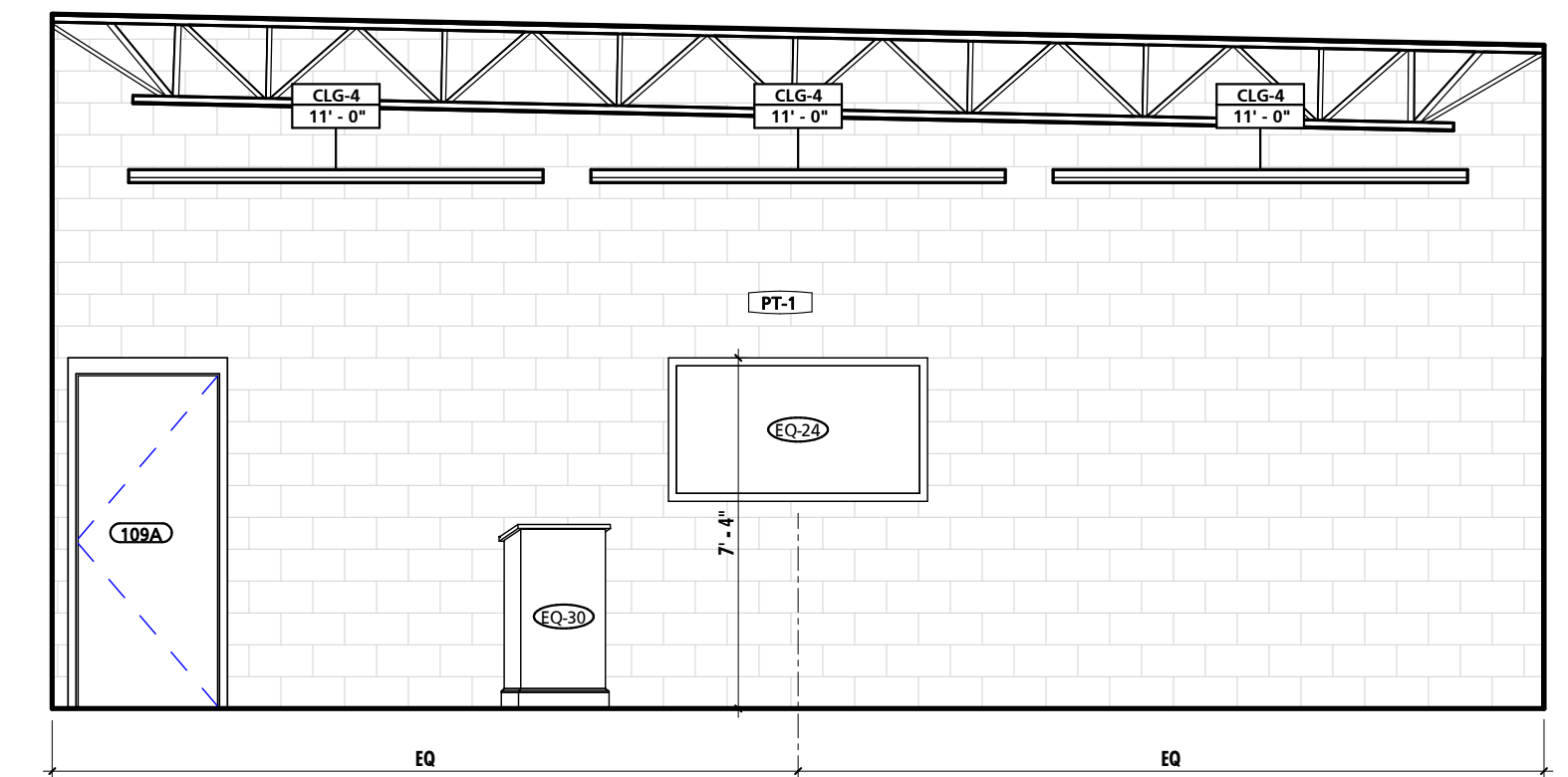
6 EDUCATION CENTER 105 - NORTH
1/4" = 1'-0"



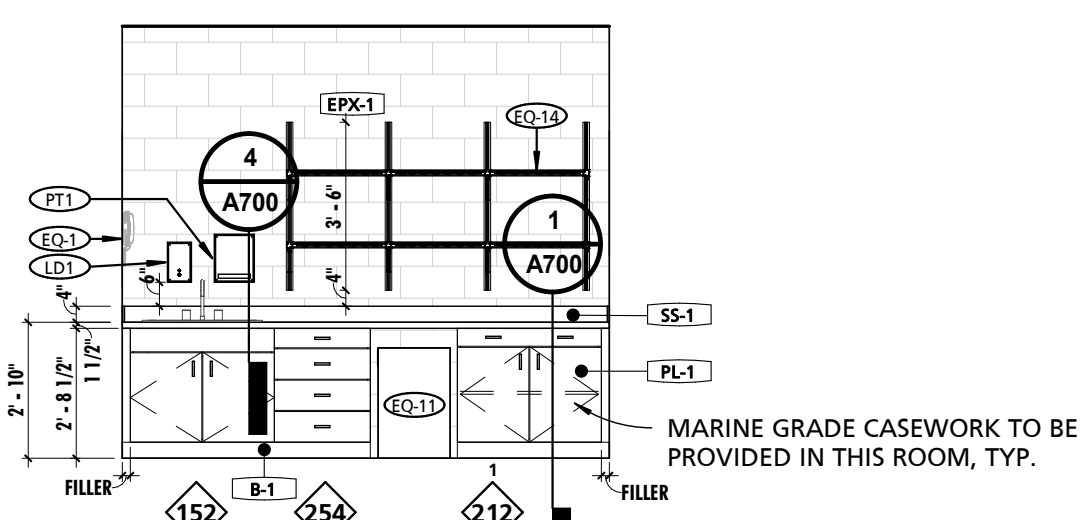
7 EDUCATION CENTER 105 - EAST
1/4" = 1'-0"



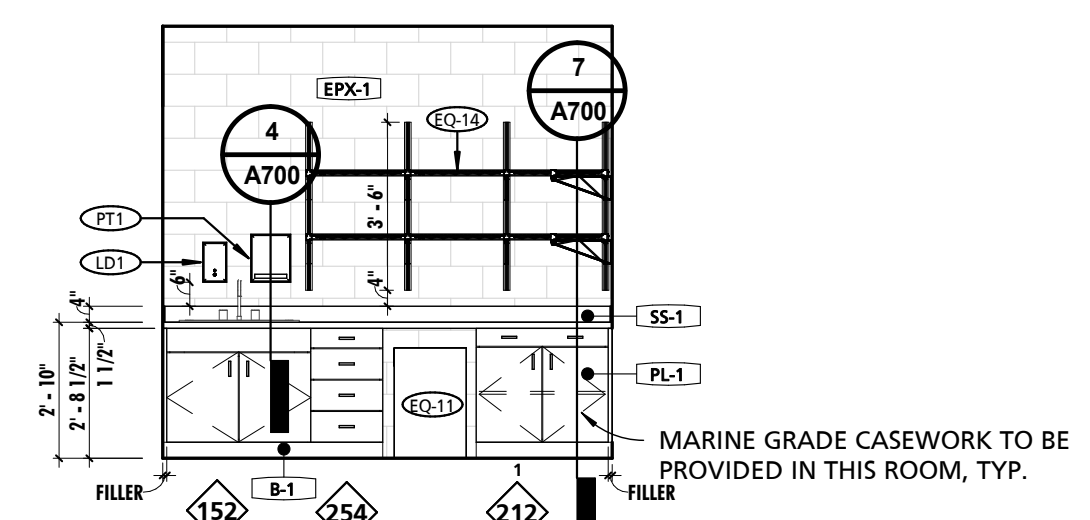
8 EDUCATION CENTER 105 - SOUTH
1/4" = 1'-0"



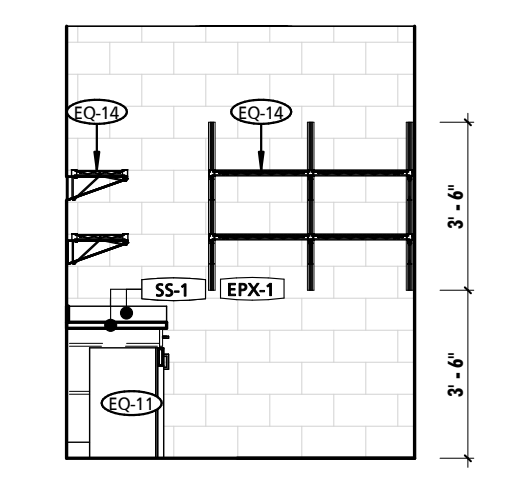
9 EDUCATION CENTER 105 - WEST
1/4" = 1'-0"



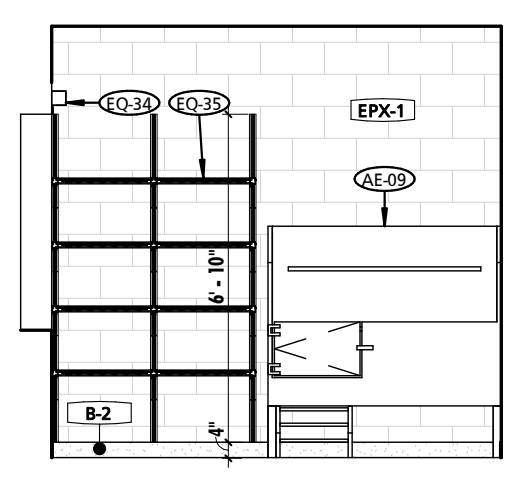
10 FOOD PREP 166 - EAST
1/4" = 1'-0"



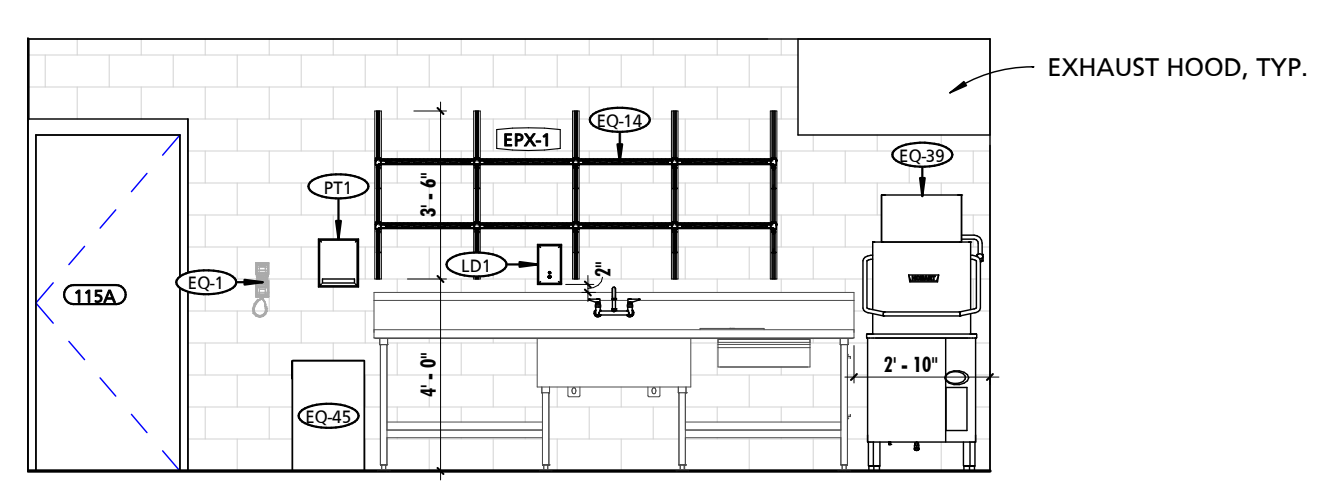
11 FOOD PREP 184 - EAST
1/4" = 1'-0"



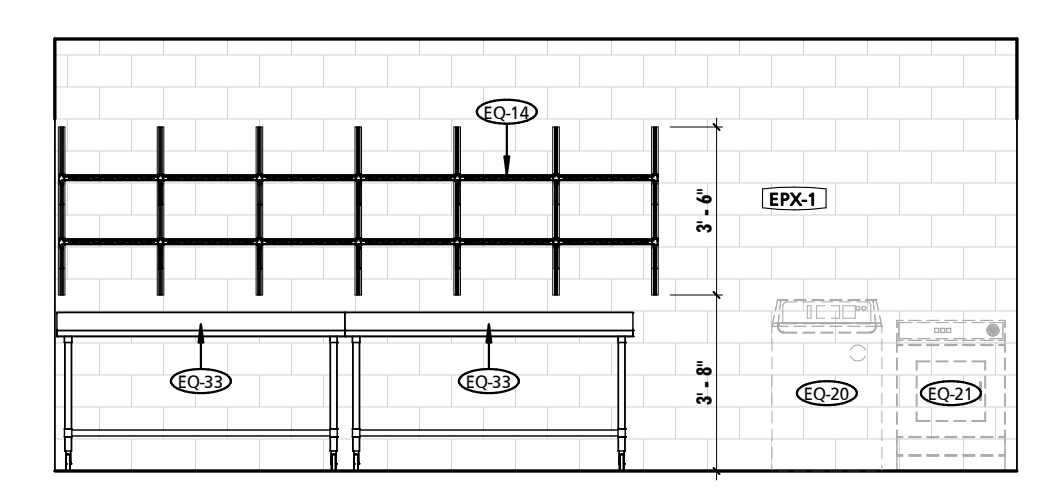
12 FOOD PREP 184 - SOUTH
1/4" = 1'-0"



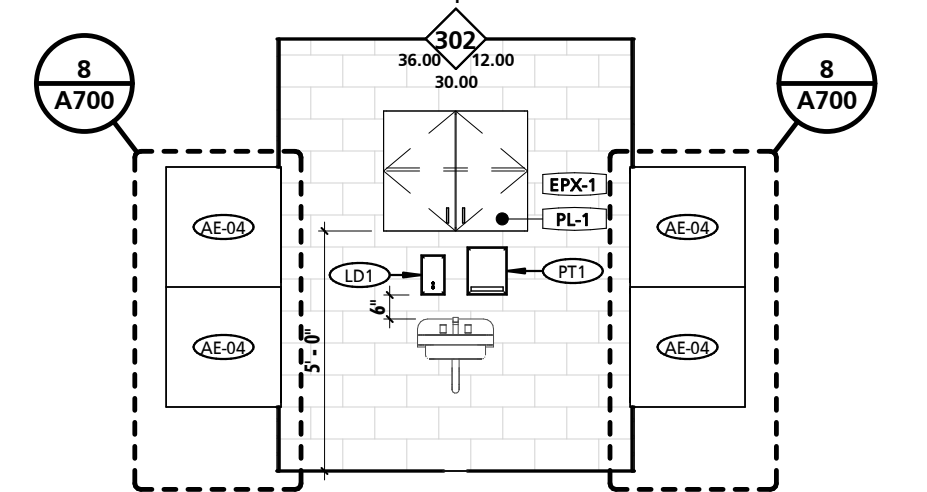
13 GROOMING 136 - EAST
1/4" = 1'-0"



14 CAT WORKROOM 115 - EAST
1/4" = 1'-0"



15 CAT WORKROOM 115 - WEST
1/4" = 1'-0"



16 MED CAT 117 - NORTH
1/4" = 1'-0"

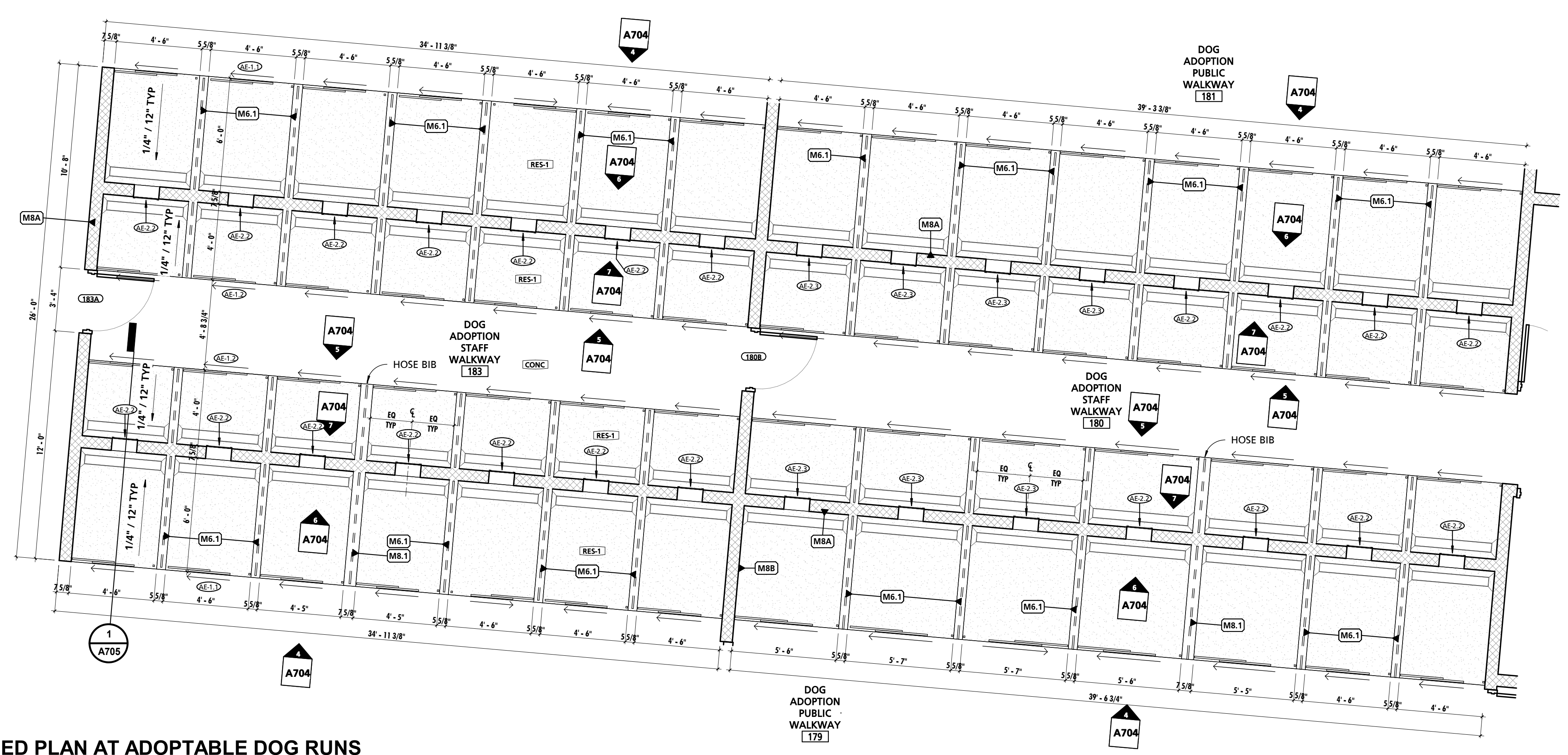
GENERAL INTERIOR ELEVATION NOTES

NOTE # 1
CONTRACTOR SHALL BE REQUIRED TO COORDINATE FINAL CASEWORK SHOP DRAWINGS AND INSTALLATION WITH ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OWNER. COORDINATION EFFORTS SHALL INCLUDE BUT ARE NOT LIMITED TO ENSURING PROPER CLEARANCES ARE PROVIDED FOR BOTH INSTALLATION AND OPERATION. EQUIPMENT SHALL BE AS TIGHT TO CASEWORK AS POSSIBLE AS PERMITTED BY EQUIPMENT REQUIREMENTS. PRIOR TO INSTALLATION OF CASEWORK EQUIPMENT CUT SHEETS & INSTALLATION INSTRUCTIONS SHALL BE POSTED WITH IN THE ROOM WHERE WORK IS BEING PERFORMED.
CONTRACTOR SHALL VERIFY FINAL REVIEWED SHOP DRAWINGS CONFORM TO EQUIPMENT AND CLEARANCE REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT TYPES AND MODELS ARE SUBJECT TO FACTORY BASED CHANGES FROM THE TIME OF DESIGN TO THE TIME OF PURCHASE INSTALL.
CONTRACTOR SHALL REFER TO ARCHITECTURAL WOODWORK STANDARDS 2014, CABINET DESIGN SERIES (CDS) FOR FURTHER INFORMATION ABOUT CASEWORK.
REFER TO SHEET A109 FOR PFE SCHEDULES & NOTES.

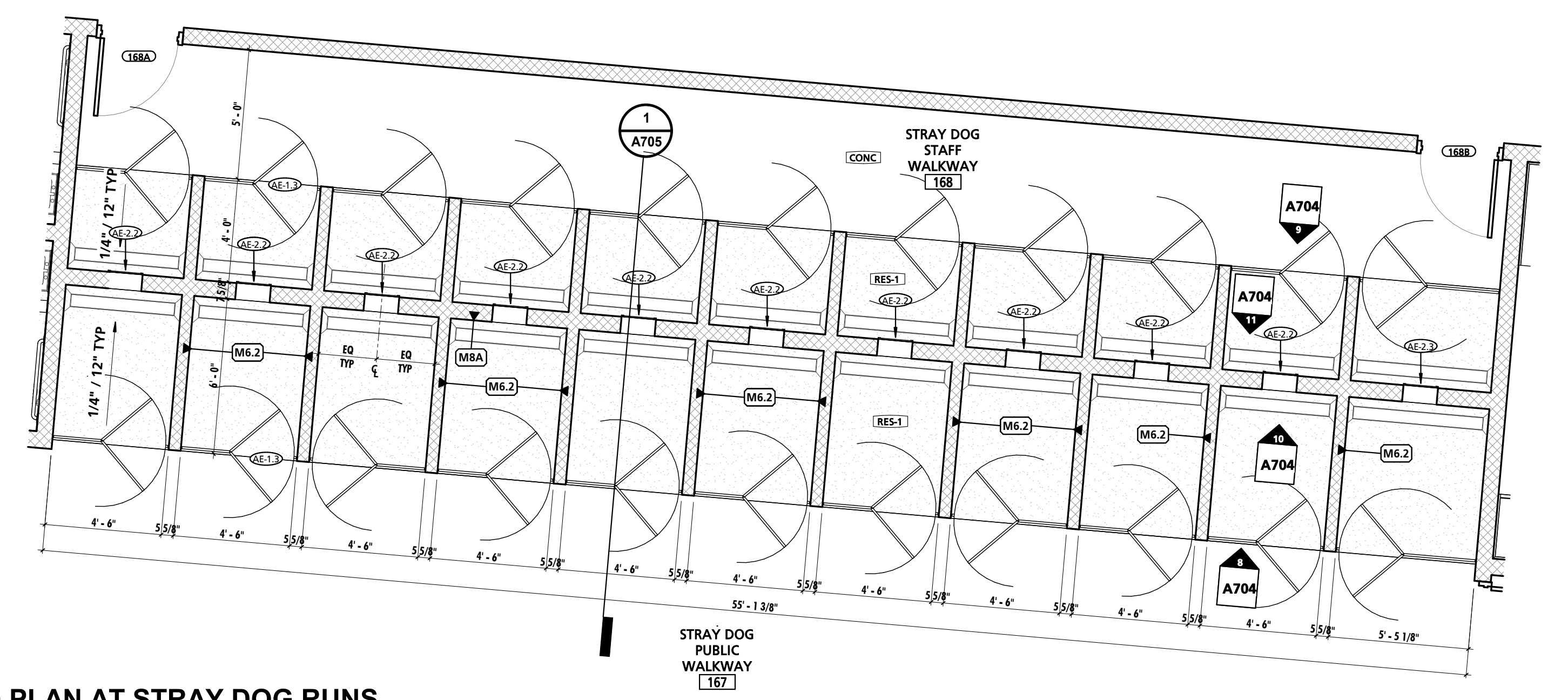
MATERIAL FINISH KEY - INTERIOR

MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	COLOR SELECTION	BOD COMMENTS
B-1	4" RUBBER BASE - COLOR 1	JOHNSONITE	TRADITIONAL RUBBER BASE	DOCKSIDE	
B-2	4" RESINOUS COVE BASE	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
B-3	6x12 CERAMIC TILE COVE BASE	CROSSVILLE	BOHEMIA	BEATNIK	
CONC	SEALED CONCRETE	N/A	N/A	N/A	
CT-1	12x24 CERAMIC FLOOR TILE - COLOR 1	CROSSVILLE	BOHEMIA	BEATNIK	
EPX-1	EPOXY PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
EPX-2	EPOXY PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	OSAGE ORANGE	
EPX-3	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	CITYSCAPE	
EPX-4	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
FT-#	FLOORING TRANSITION TYPE	N/A	N/A	N/A	SEE DETAIL 3/A107
HPC-1	HIGH-PERFORMANCE COATING - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETTRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSA-LOK	STAY IN LIME SW 9032	
MP-2.1	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRA-LOK	SLATE BLUE	
MP-2.2	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRA-LOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PT-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PT-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
RES-2	RESINOUS WALL COATING	DUREX	DYMAFLAKE	ARCTIC	
SS-1	SOLID SURFACE - COLOR 1	CORIAN	SOLID SURFACE	MINERAL	
SS-2	SOLID SURFACE - COLOR 2	FORMICA	SOLID SURFACE	BOTTLE GLASS QUARTZ 770	
SS-3	SOLID SURFACE - COLOR 3	CORIAN	SOLID SURFACE	DEEP CLOUD	
STAIN	CONCRETE STAIN & SEALER	H&C CONCRETE	INFUSION	GOLD LEAF	
ST STL	STAINLESS STEEL COUNTERTOP				SEE SPECIFICATIONS FOR STAIN & SEALER COUNTERTOP W/ MARINE EDGE AND INTEGRAL BACKSPASH PROVIDE PVC EDGE TRIM
SW-1	SLAT WALL	MARLITE	SLATWALL	WINDSOR	
WOM	20x20 WALK-OFF CARPET TILE	MOHAWK GROUP	TUFF STUFF II	COBALT	
WT-1	12x24 CERAMIC WALL TILE - COLOR 1	CROSSVILLE	BOHEMIA	TINKER	

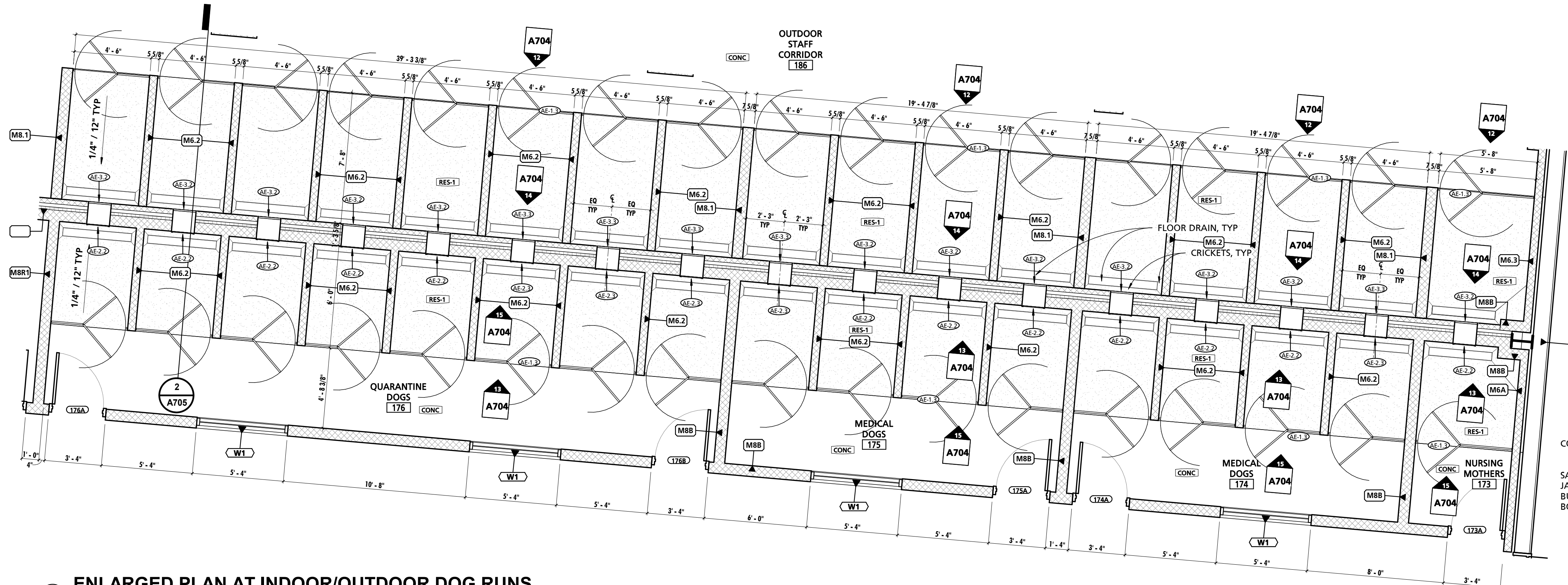
GENERAL DOG RUN NOTES	
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES, NOTES & DETAILS.
2	SEE SHEET A107 FOR FINISH NOTES & DETAILS.
3	SEE SHEET A109 FOR FFE SCHEDULES, NOTES & DETAILS.



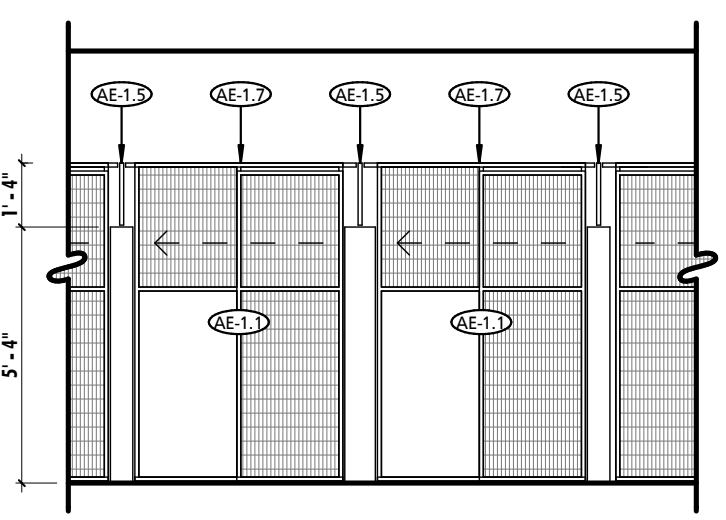
1 ENLARGED PLAN AT ADOPTABLE DOG RUNS
1/4" = 1'-0"



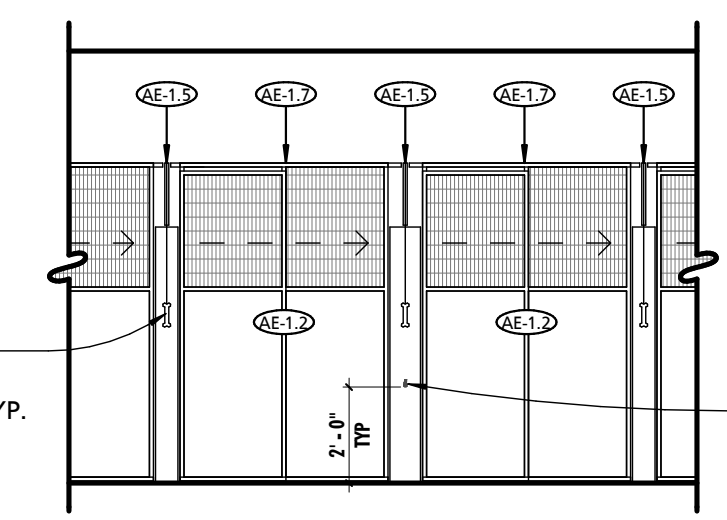
2 ENLARGED PLAN AT STRAY DOG RUNS
1/4" = 1'-0"



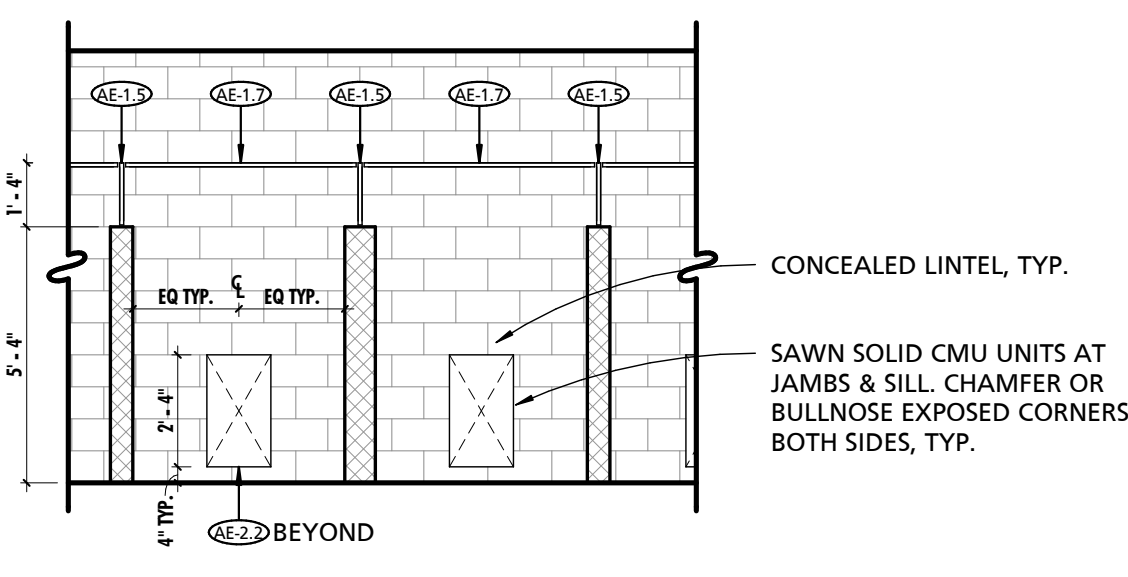
3 ENLARGED PLAN AT INDOOR/OUTDOOR DOG RUNS
1/4" = 1'-0"



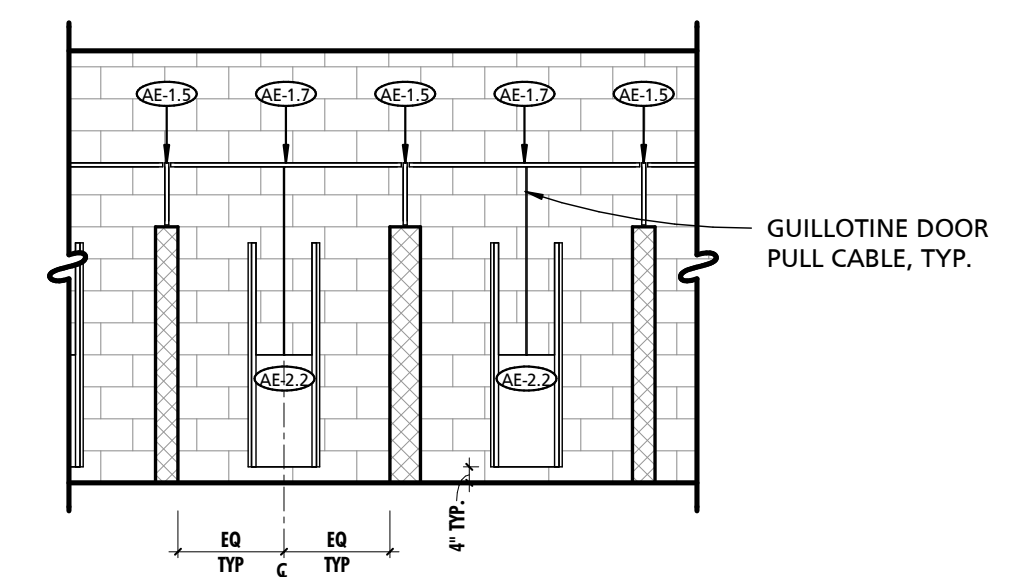
4 TYP ADOPT KENNEL - PUBLIC WALKWAY
1/4" = 1'-0"



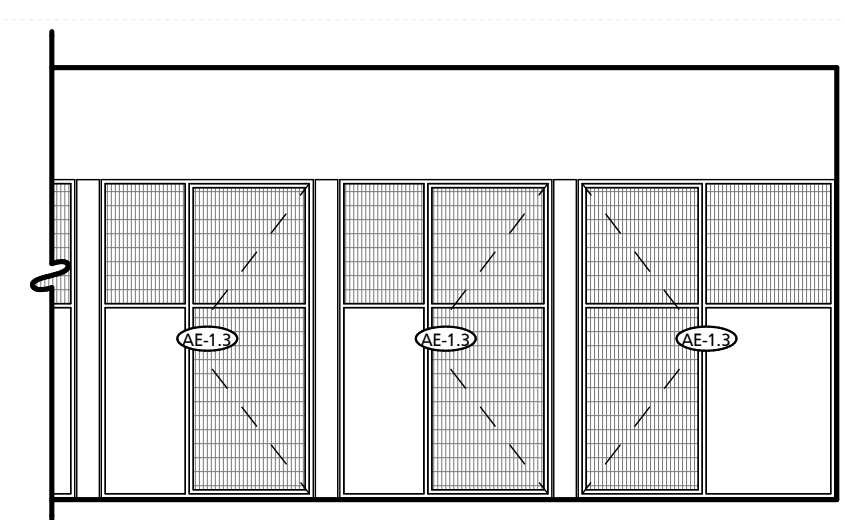
5 TYP ADOPT KENNEL - STAFF WALKWAY
1/4" = 1'-0"



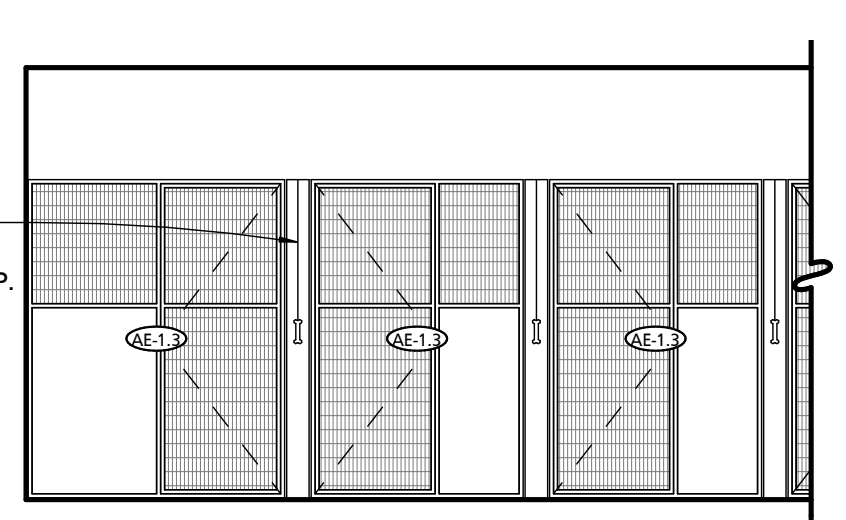
6 TYP ADOPT KENNEL REAR - PUBLIC SIDE
1/4" = 1'-0"



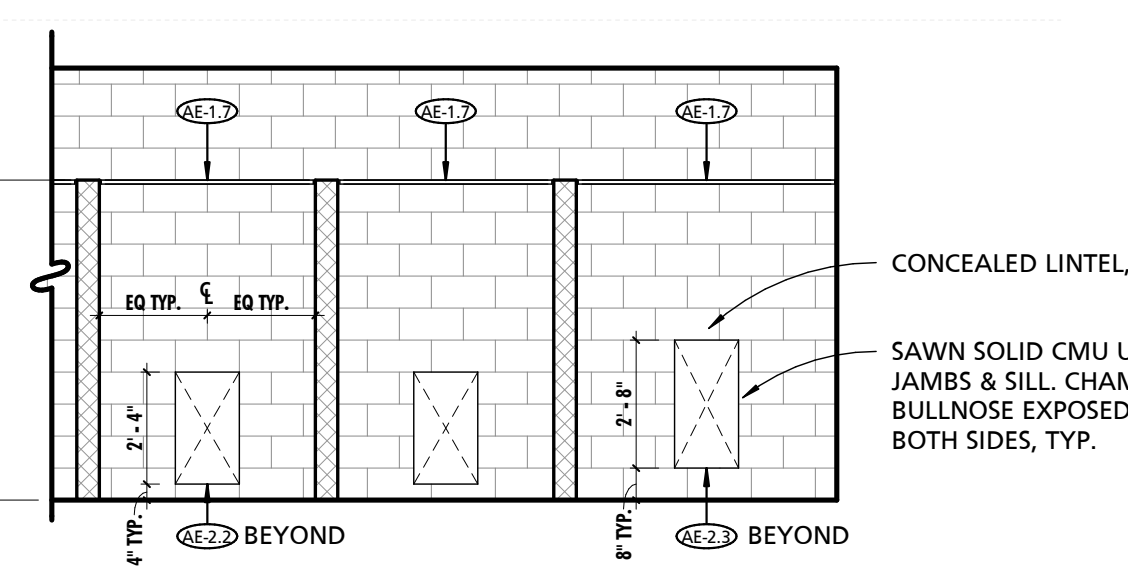
7 TYP ADOPT KENNEL REAR - STAFF SIDE
1/4" = 1'-0"



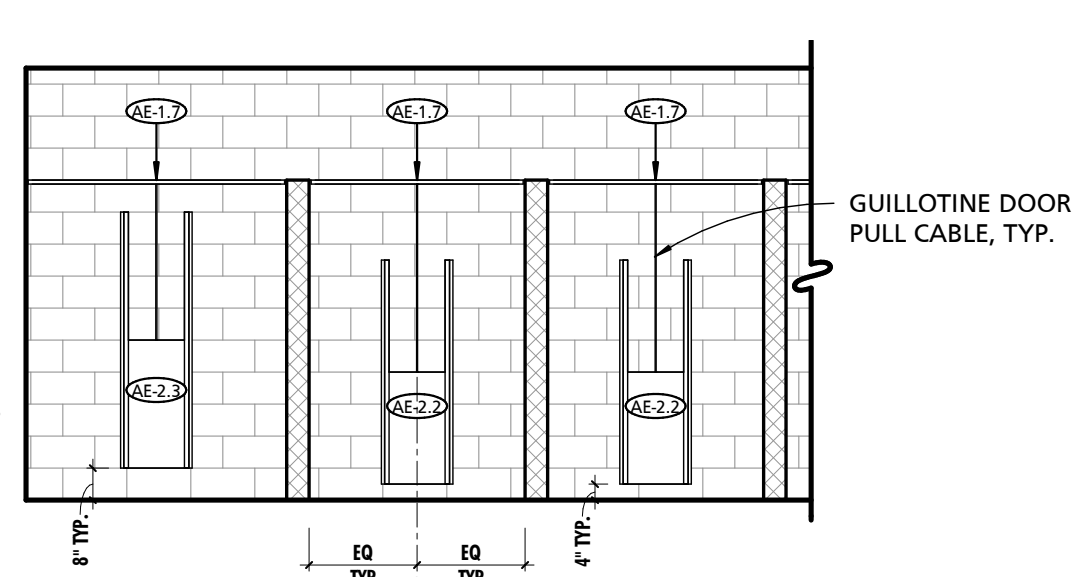
8 TYP STRAY DOG - PUBLIC WALKWAY
1/4" = 1'-0"



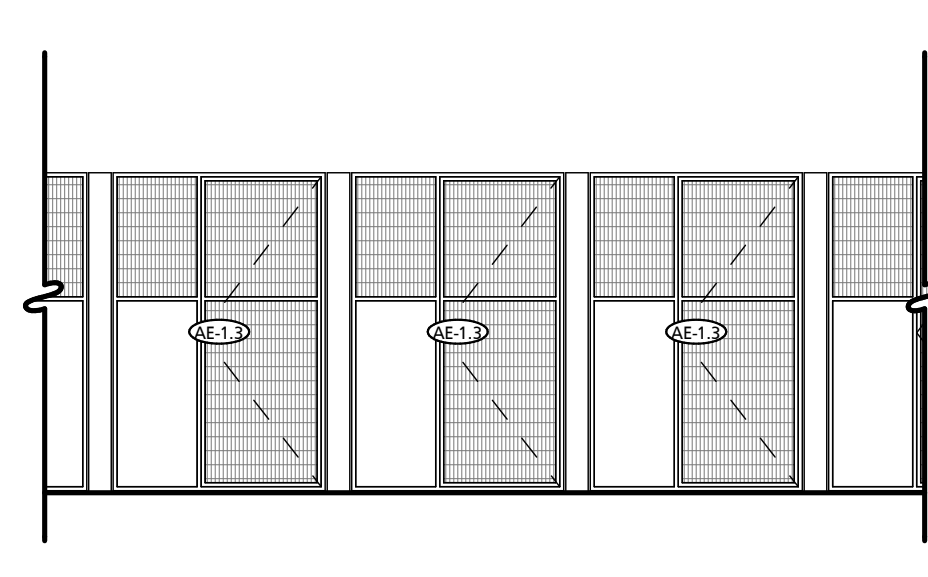
9 TYP STRAY DOG - STAFF WALKWAY
1/4" = 1'-0"



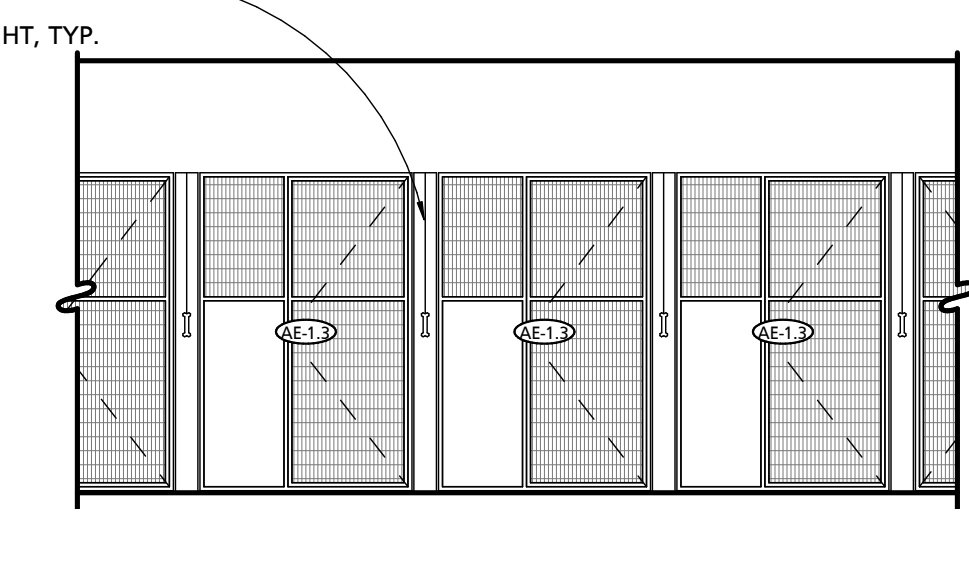
10 TYP STRAY DOG KENNEL REAR - PUBLIC SIDE
1/4" = 1'-0"



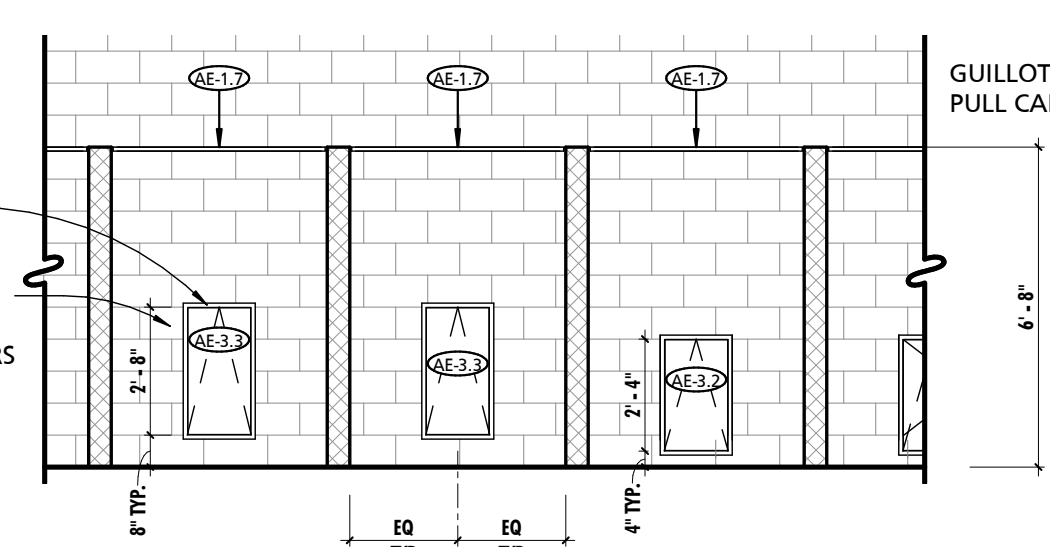
11 TYP STRAY DOG KENNEL REAR - STAFF SIDE
1/4" = 1'-0"



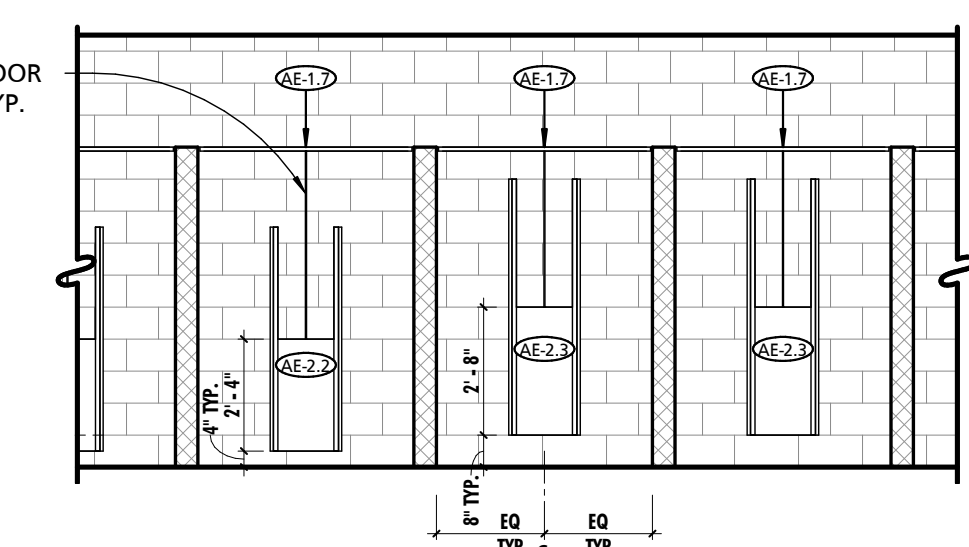
12 TYP MED/QUAR - OUTDOOR WALKWAY
1/4" = 1'-0"



13 TYP MED/QUAR - INTERIOR WALKWAY
1/4" = 1'-0"



14 TYP MED/QUAR REAR - OUTDOOR SIDE
1/4" = 1'-0"



15 TYP MED/QUAR REAR - INDOOR SIDE
1/4" = 1'-0"

SEAL:

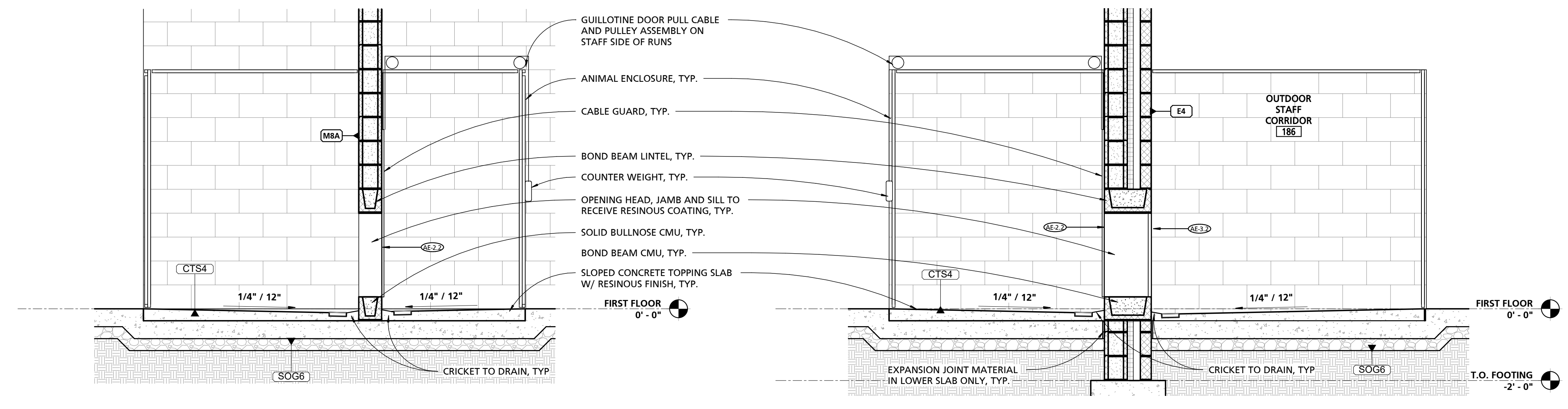
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2020



CHARLES COUNTY ANIMAL CARE CENTER

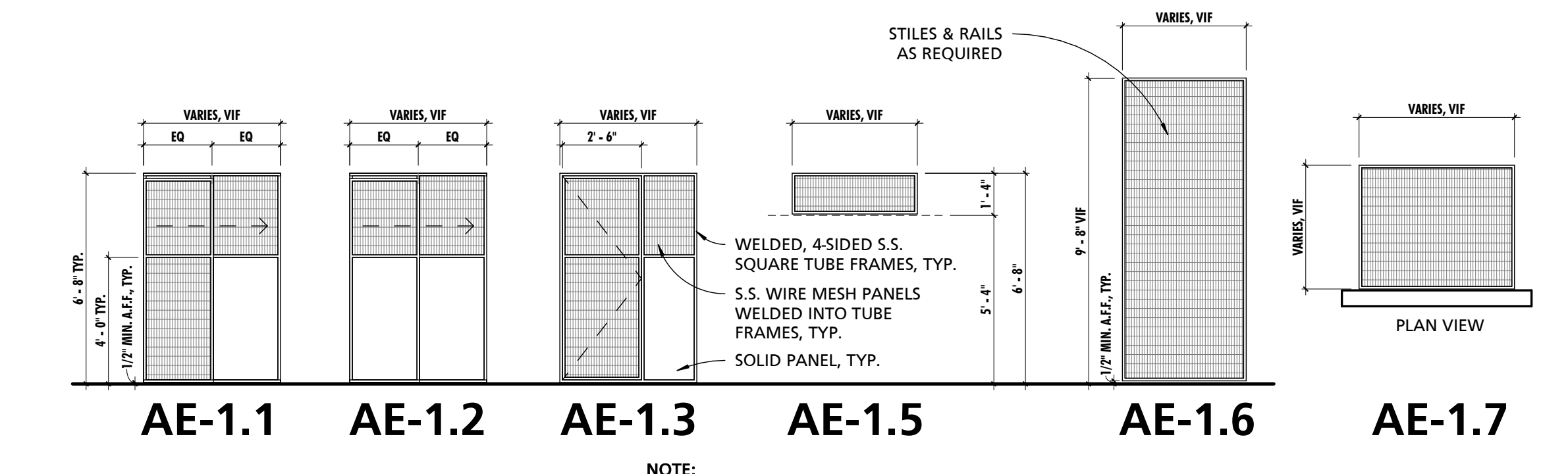
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

GENERAL DOG RUN NOTES	
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES, NOTES & DETAILS.
2	SEE SHEET A107 FOR FINISH NOTES & DETAILS.
3	SEE SHEET A109 FOR FFE SCHEDULES, NOTES & DETAILS.



1 TYPICAL DOG RUN CROSS SECTION
1/2" = 1'-0"

2 TYPICAL INDOOR/OUTDOOR DOG RUN CROSS SECTION
1/2" = 1'-0"



0 TYPES - ANIMAL ENCLOSURES
1/4" = 1'-0"

- NOTE:
- AE-1.1 SOLID PANELS SHALL ALTERNATE IN COLOR IN THE ORDER OF ORANGE, BLUE, SAGE, YELLOW AND JADE
 - AE-1.3 SOLID PANELS WITHIN STRAY DOG PUBLIC WALKWAY 167 SHALL ALTERNATE IN COLOR IN THE ORDER OF ORANGE, BLUE, SAGE, YELLOW AND JADE
 - ALL OTHER SOLID PANELS SHALL BE PEARL

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

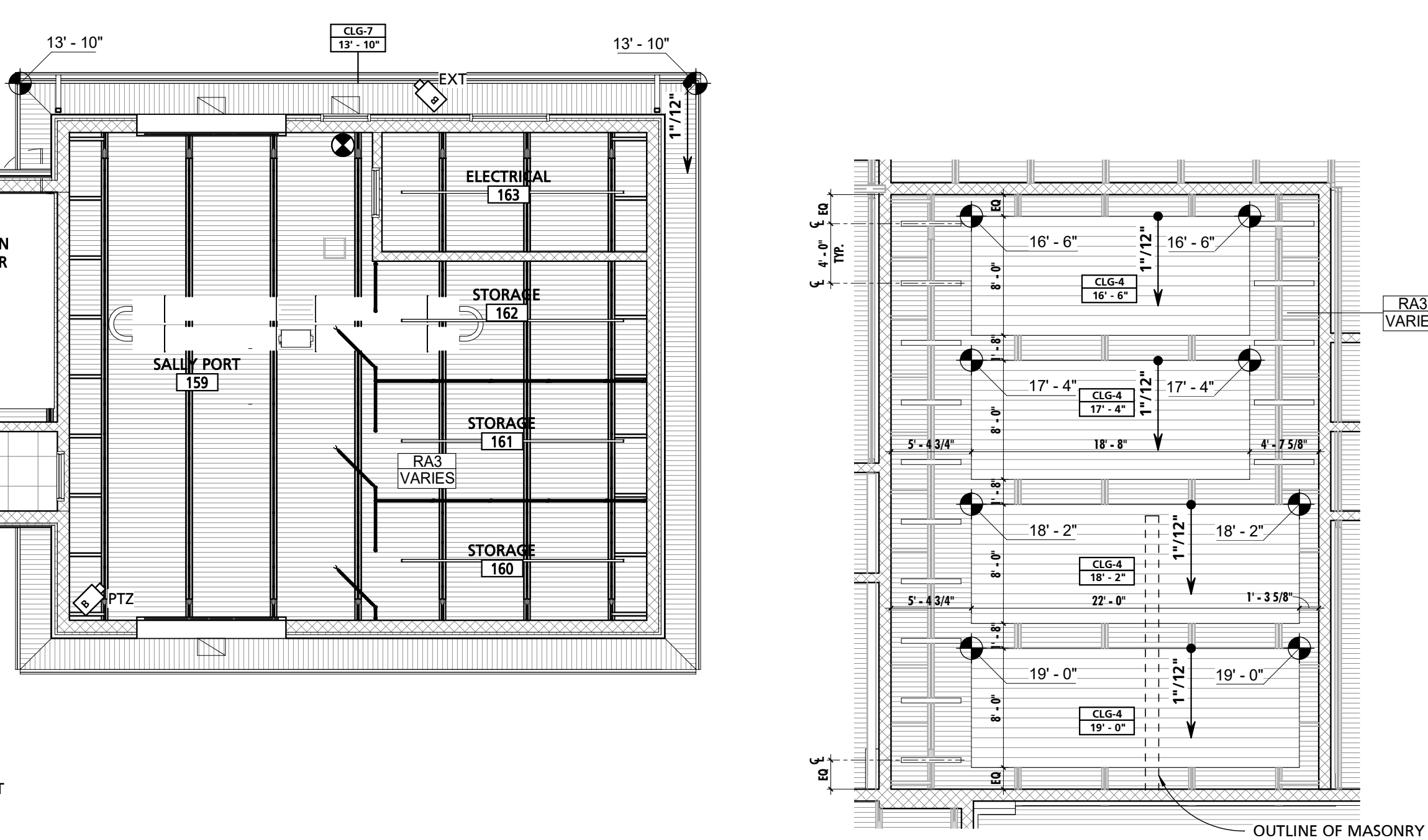
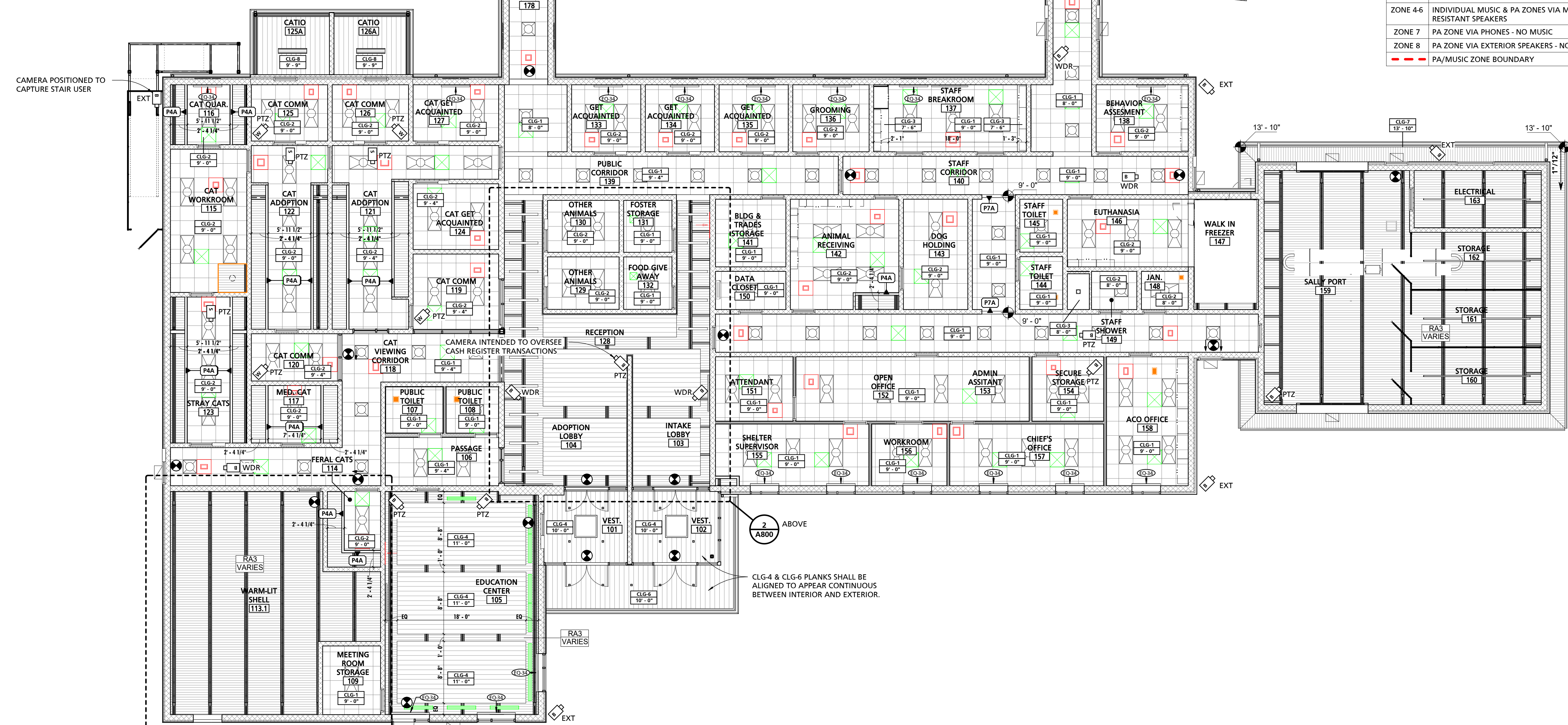
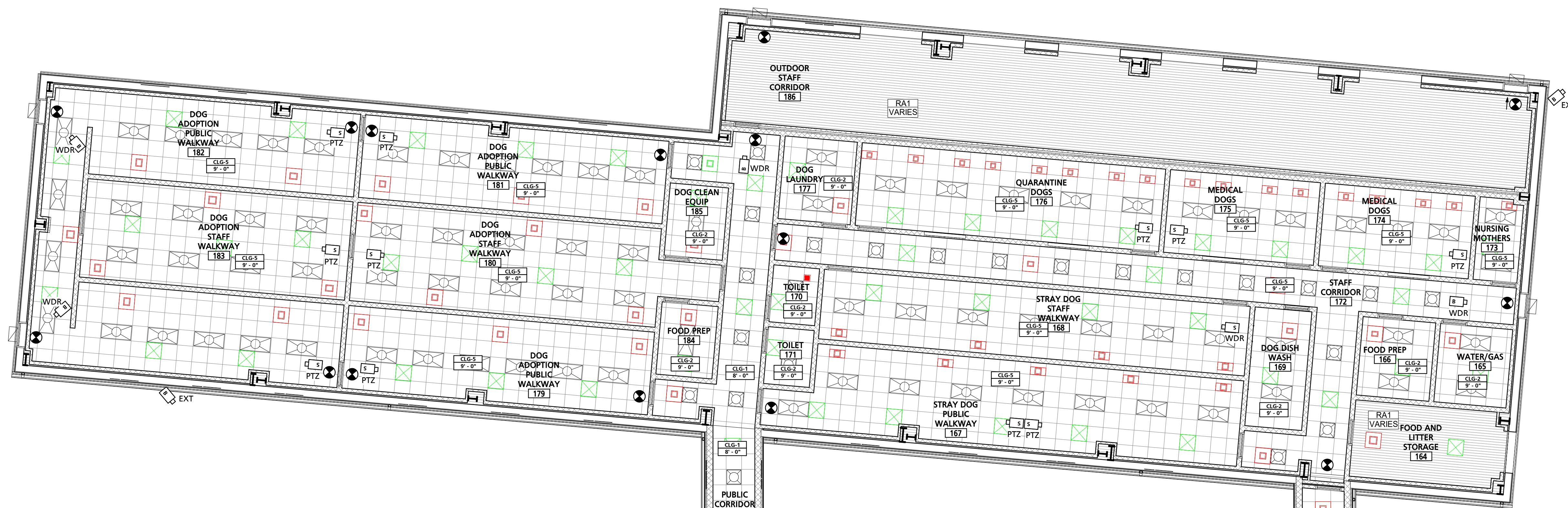
DRAWING TITLE:
ENLARGED DOG RUN
DETAILS

SHEET NUMBER:
A705

SCHEDULE - CEILING TYPES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
CLG-1	2x2 ACOUSTICAL CEILING TILE	USG	BASIC - FISSIONED	
CLG-2	2x2 VINYL CEILING TILE	USG	CLEAN ROOM	PROVIDE GASKETED TEE FLANGES
CLG-3	1/2" GWB OVER 3 5/8" METAL STUDS @ 16" O.C.	N/A	N/A	MOISTURE & MOLD RESISTANT GWB IN WET LOCATIONS
CLG-4	8" NON-PERFORATED, LINEAR METAL CEILING W/ WOOD TEXTURE	ARMSTRONG	METALWORKS - LINEAR - PERFORATED	EXPOSED EDGES SHALL RECEIVE 6" AXIOM EDGE TRIM. RECESSED LIGHTING TO RECEIVE TRIM BY CLG MANUF.
CLG-5	2x2 CERAMIC CEILING TILE	USG	RADAR CERAMIC ACOUSTICAL PANELS	
CLG-6	8" PERFORATED, LINEAR METAL SOFFIT W/ WOOD TEXTURE	ARMSTRONG	METALWORKS - LINEAR - EXTERIOR	PROVIDE COMPRESSION POSTS AS REQUIRED BY MANUF. FOR WIND UPLIFT
CLG-7	LINEAR METAL SOFFIT	ATAS INTERNATIONAL	DWF	
CLG-8	8" PERFORATED, LINEAR METAL SOFFIT	ARMSTRONG	METALWORKS - LINEAR - EXTERIOR	PROVIDE COMPRESSION POSTS AS REQUIRED BY MANUF. FOR WIND UPLIFT

GENERAL CEILING NOTES	
NOTE #	NOTE
1	UNDERSIDE OF EXPOSED STRUCTURE, PIPING, AND DUCTWORK IN ALL ROOMS, STAIRWAYS, AND OTHER SPACES SHALL BE PAINTED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL COORDINATE COLOR SELECTION WITH THE ARCHITECT PRIOR TO PAINTING OR PRIMING, TYP.
2	CONTRACTOR SHALL COORDINATE FINAL FIELD LOCATION OF ALL EXIT SIGNS AND EMERGENCY LIGHTING WITH ARCHITECT PRIOR TO ROUGH-IN, TYP.
3	THE CONTRACTOR SHALL PROVIDE SPRINKLER SYSTEM SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL. WHERE SPRINKLERS ARE REQUIRED BY CODE (SEE CODE SHEET), DRAWINGS SHALL INDICATE HEAD LOCATIONS, HEAD TYPES, AND PIPING DISTRIBUTION. IN EXPOSED OCCUPIED AREAS MAINS SHALL BE ROUTED THROUGH AREAS WITH ACCESSIBLE FINISHED CEILING TO THE MAXIMUM EXTENT FEASIBLE. WHERE CEILING ARE FINISHED ALL HEADS SHALL BE EQUIPPED WITH CONCEALMENT COVERS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4	SPRINKLER LOCATIONS DEPICTED HEREIN ARE DIAGRAMMATIC AND ARE SHOWN FOR DESIGN INTENT ONLY.
5	ON ACT CEILING IN FIRE-RATED AREAS INSTALL HOLD DOWN CLIPS ON ACOUSTIC PANELS WEIGHING LESS THAN 1 LB. PER SQ. FT. PER SPEC.
6	ALL MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER WORK TO OCCUR IN AREAS WHERE THE STRUCTURE IS EXPOSED SHALL BE EXECUTED IN A COORDINATED, NEAT AND WORKMANLIKE MANNER. AT A MINIMUM ALL WIRING SHALL BE RUN THROUGH CONDUITS, PIPE AND DUCT INSULATION SHALL BE NEATLY INSTALLED AND PAINTABLE. ALL PIPES AND DUCTS SHALL BE RUN EITHER PERPENDICULAR OR PARALLEL TO WALL CONSTRUCTION AND SHALL BE INSTALLED AT THE SAME NOMINAL ELEVATION OR SLOPE. ALL MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS. WHERE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS INDICATE OTHER REQUIREMENTS THE GREATER QUALITY SHALL PREVAIL.
7	WHERE CEILING ARE EXPOSED ALL TIES, CABLES, AND SUPPORTS FOR CLOUDS, ELECTRICAL, MECHANICAL EQUIPMENT AND OTHER APPURTENANCES SHALL BE INSTALLED IN A NEAT, ORGANIZED AND WORKMAN LIKE MANNER. VISIBLE TIES SHALL BE PLUMB/TRUE/SQUARE TO ELEMENTS, TIGHTLY WRAPPED, WITH EXCESS WIRE NEATLY CUT.
8	CONTRACTOR SHALL COORDINATE THE COLOR AND FINISH OF ALL CEILING MOUNTED EQUIPMENT SUCH AS DIFFUSERS, RETURNS, SPEAKERS, ETC. WITH THE ARCHITECT TO ENSURE THERE ARE NO STARK CONTRASTING COLORS.
9	WHERE ACT GRID LAYOUT AT EDGE CONDITIONS FOR 2X2 TILES REQUIRE TILES TO BE CUT TO LESS THAN 3", UTILIZE A 2X4 TILE IN LIEU OF THE 2X2 TILE. OMIT CEILING GRID CROSS MEMBERS AS REQUIRED. NO TILE SHALL EXCEED 27" OR BE LESS THAN 3" AT PERIMETER CONDITIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE GRID MAINS AS REQUIRED TO ACHIEVE THIS DESIGN INTENT.
10	SEE SS100 - SPECIALTY SYSTEMS FOR FURTHER INFORMATION.

SPECIALTY SYSTEM LEGEND		
TAG	DESCRIPTION	COMMENTS
CR	CARD READER LOCATION	
CA	CARD ACCESS CONTROLLER & COMPONENTS	
MS	MOTION SENSORS IN THIS AREA	NUMBER OF SENSORS TO BE DETERMINED BY GC/VENDOR
SA	SILENT ALARM LOCATION	
IK	INTERCOM KIT	DOOR BELL TO PLAY THROUGH ALL SPEAKERS AND PHONES
KA	BUILDING ALARM KEYPAD LOCATION	
CB	CAMERA LOCATION - BUILDING SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
CS	CAMERA LOCATION - SHELTER SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
WC	WEBCAM LOCATION	OWNER PROVIDED, CONTRACTOR INSTALL
PTZ	CAMERA DESIGNATION - PAN TILT ZOOM	MAKE/MODEL: AXIS M3045-V
EXT	CAMERA DESIGNATION - EXTERIOR	MAKE/MODEL: AXIS M3225-LVE
WDR	CAMERA DESIGNATION - WIDE DYNAMIC RANGE	MAKE/MODEL: AXIS M3105-L
ZONE 1-3	INDIVIDUAL MUSIC & PA ZONES VIA INTERIOR SPEAKERS	
ZONE 4-6	INDIVIDUAL MUSIC & PA ZONES VIA MOISTURE RESISTANT SPEAKERS	
ZONE 7	PA ZONE VIA PHONES - NO MUSIC	PHONES ARE OWNER PROVIDED AND INSTALLED
ZONE 8	PA ZONE VIA EXTERIOR SPEAKERS - NO MUSIC	
	PA/MUSIC ZONE BOUNDARY	



1 FIRST FLOOR REFLECTED CEILING PLAN
 1/8" = 1'-0"

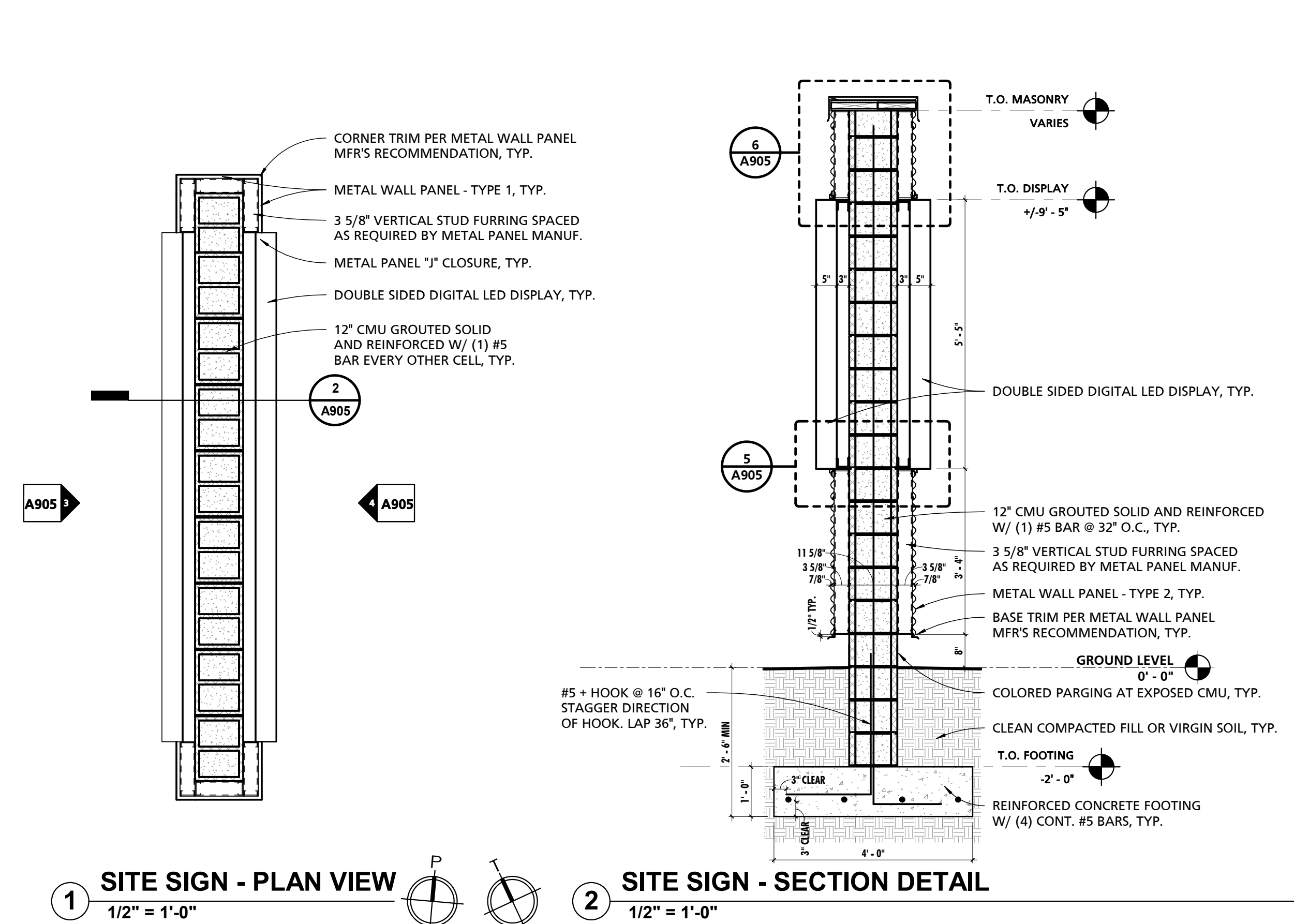
2 PARTIAL RCP AT LOBBY ATRIUM
 1/8" = 1'-0"

SEAL:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NUMBER: #15505
 EXPIRATION DATE: 09-18-2025

CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

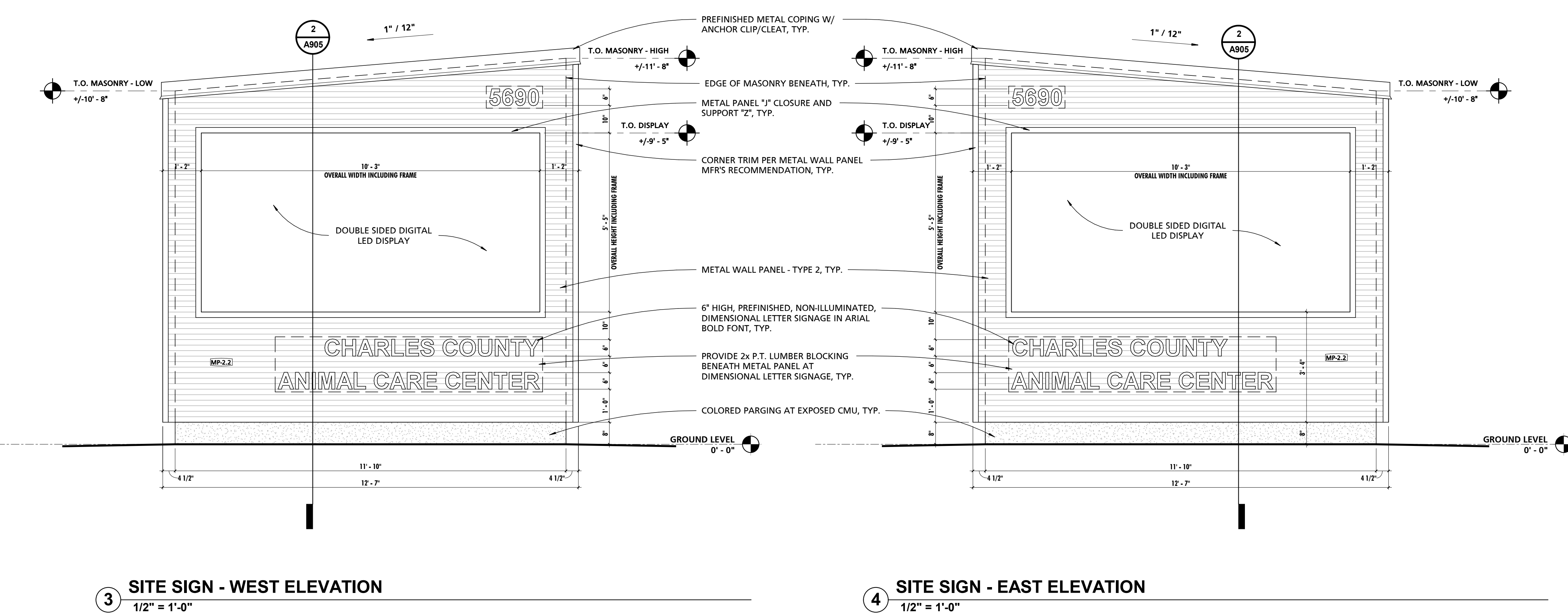
NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
 PROJECT SET: PERMIT
 DATE ISSUED: 12/23/2019
 DRAWING TITLE: REFLECTED CEILING PLAN
 SHEET NUMBER: **A800**



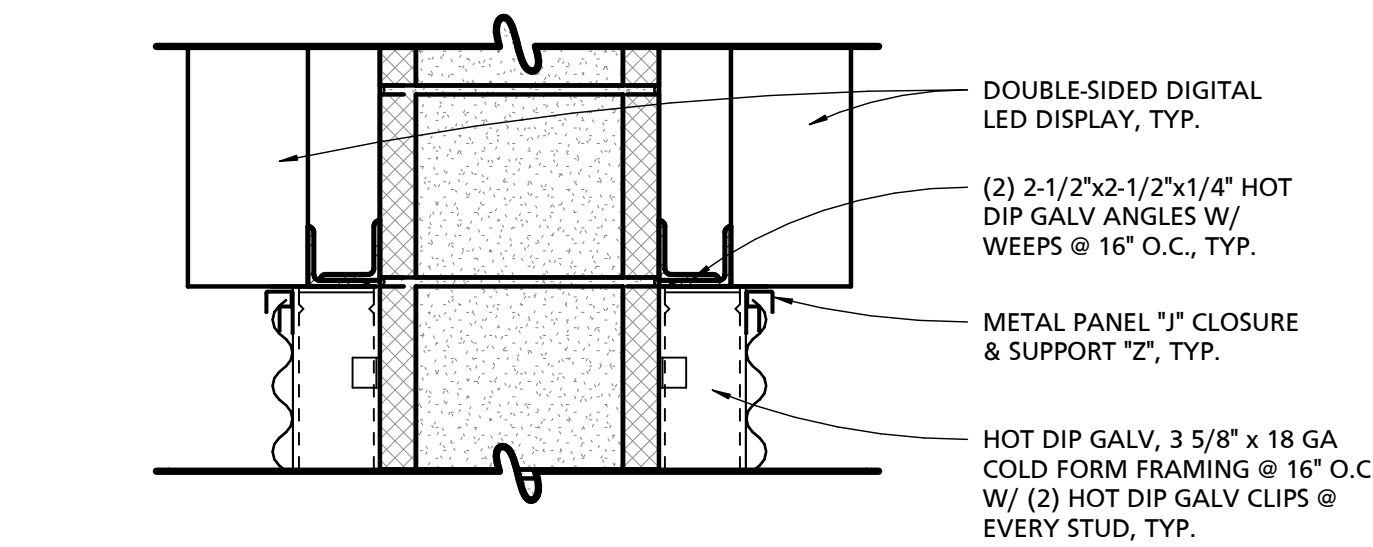
1 SITE SIGN - PLAN VIEW
1/2" = 1'-0"

2 SITE SIGN - SECTION DETAIL
1/2" = 1'-0"

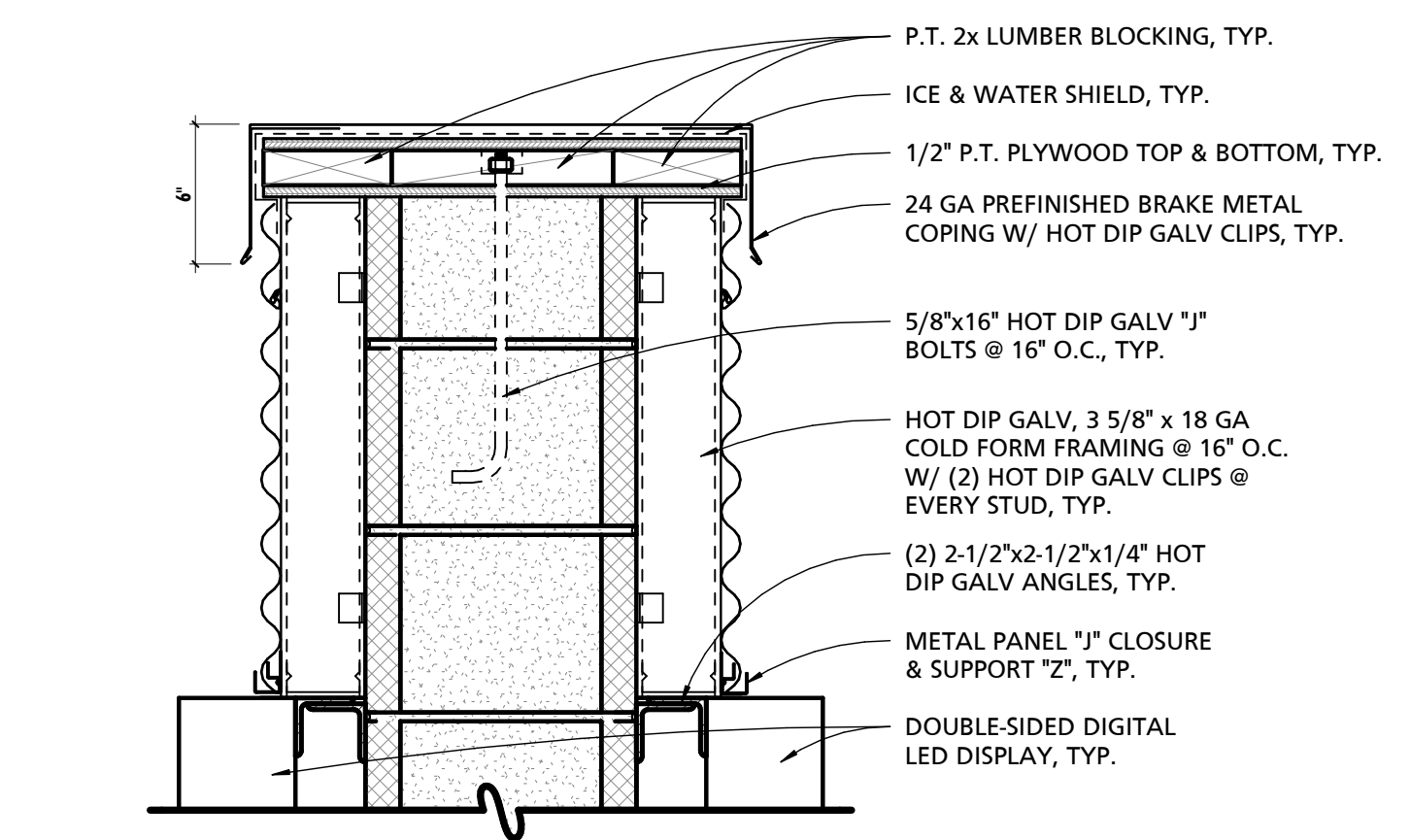


3 SITE SIGN - WEST ELEVATION
1/2" = 1'-0"

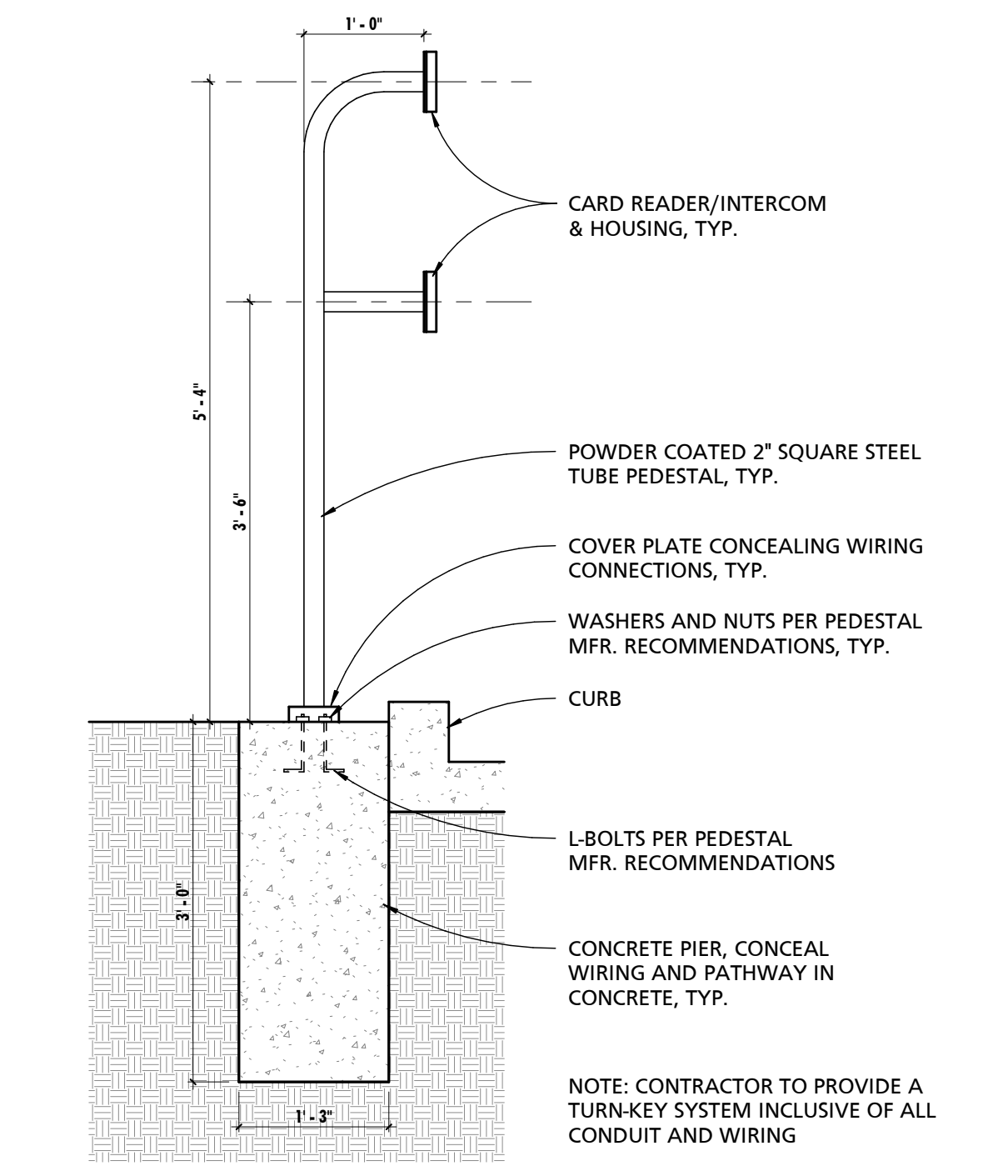
4 SITE SIGN - EAST ELEVATION
1/2" = 1'-0"



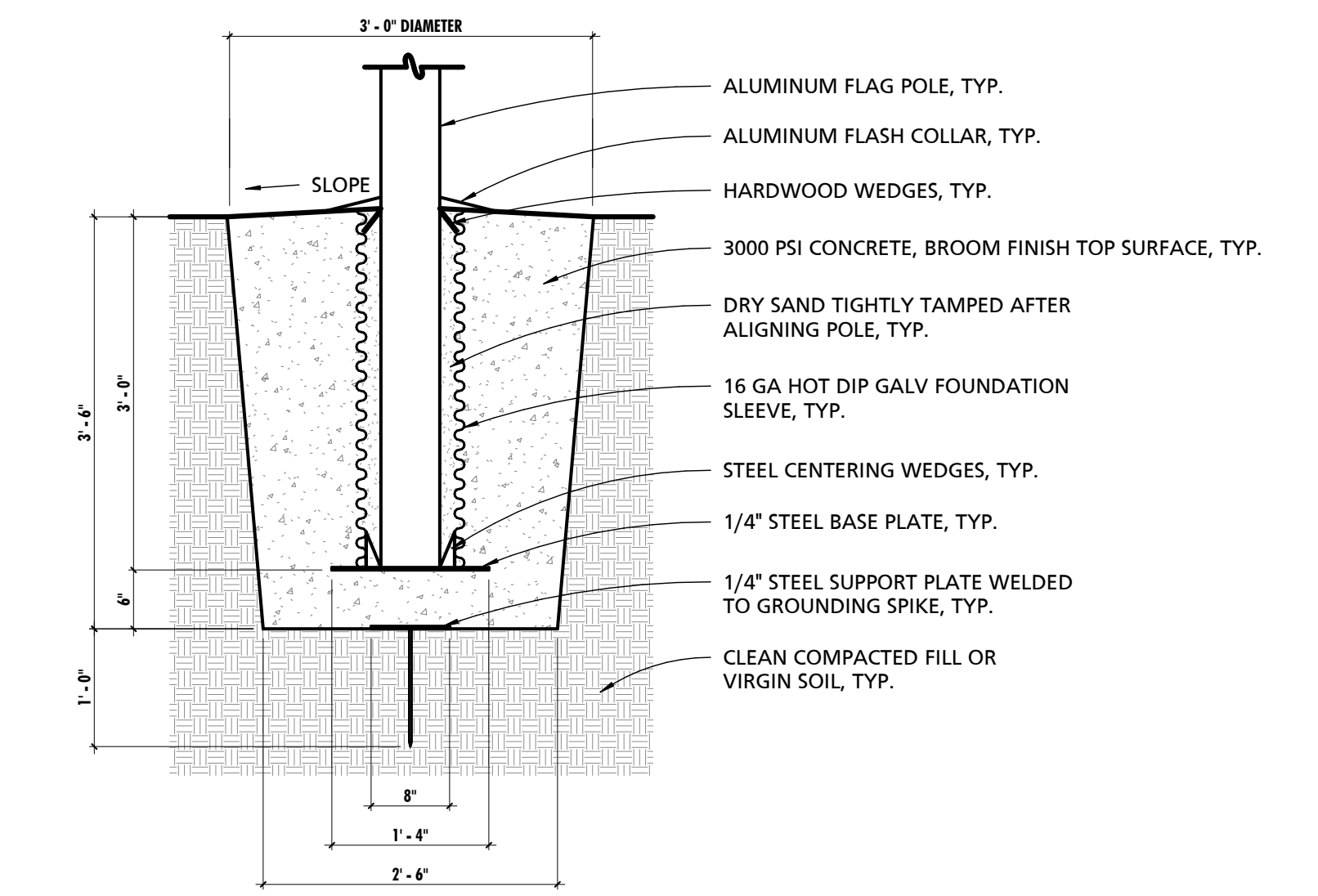
5 SITE SIGN - DISPLAY BASE DETAIL
1 1/2" = 1'-0"



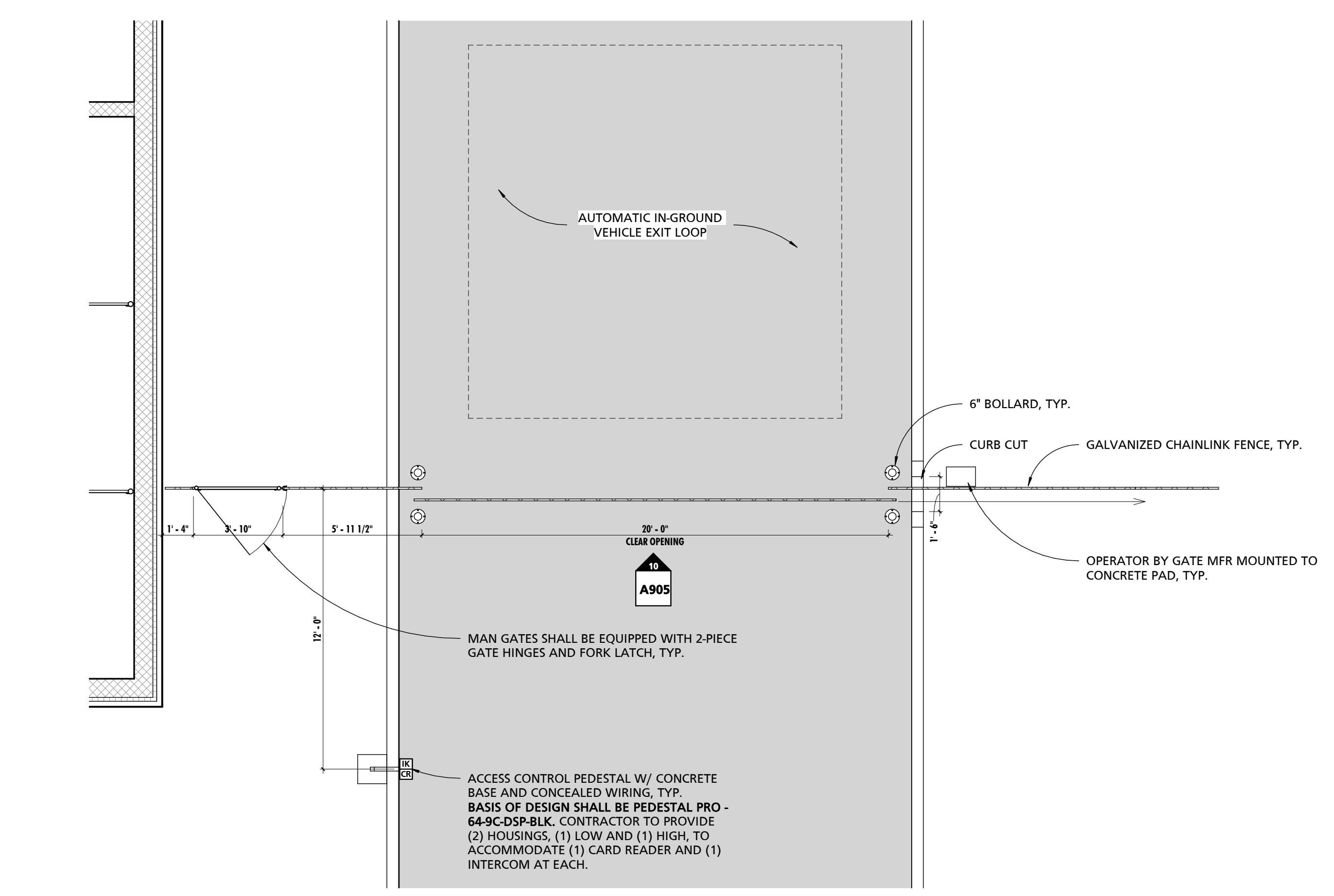
6 SITE SIGN - CAP DETAIL
1 1/2" = 1'-0"



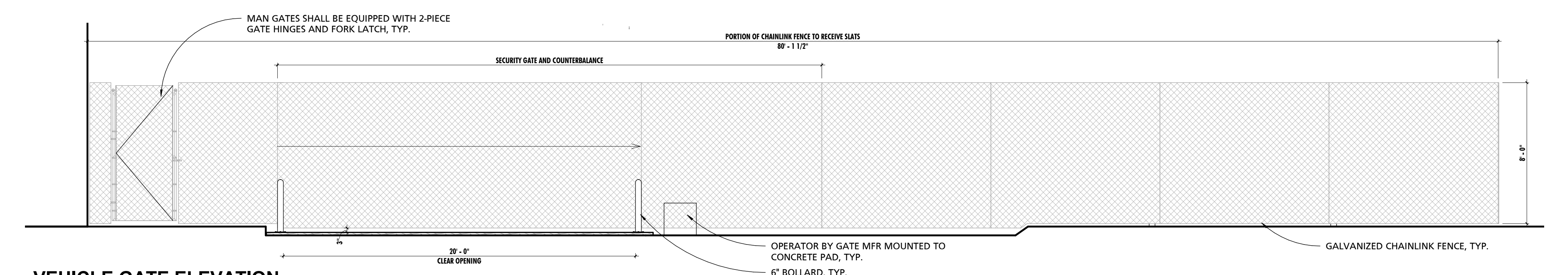
7 ACCESS PEDESTAL DETAIL
3/4" = 1'-0"



8 FLAGPOLE BASE DETAIL
3/4" = 1'-0"



9 ENLARGED PLAN @ VEHICLE GATE
1/4" = 1'-0"



10 VEHICLE GATE ELEVATION
1/4" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 09-18-2025



CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
SITE DETAILS
SHEET NUMBER:
A905

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 05-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO. DESCRIPTION DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ALTERNATE 004 -
SPAY/NEUTER CLINIC

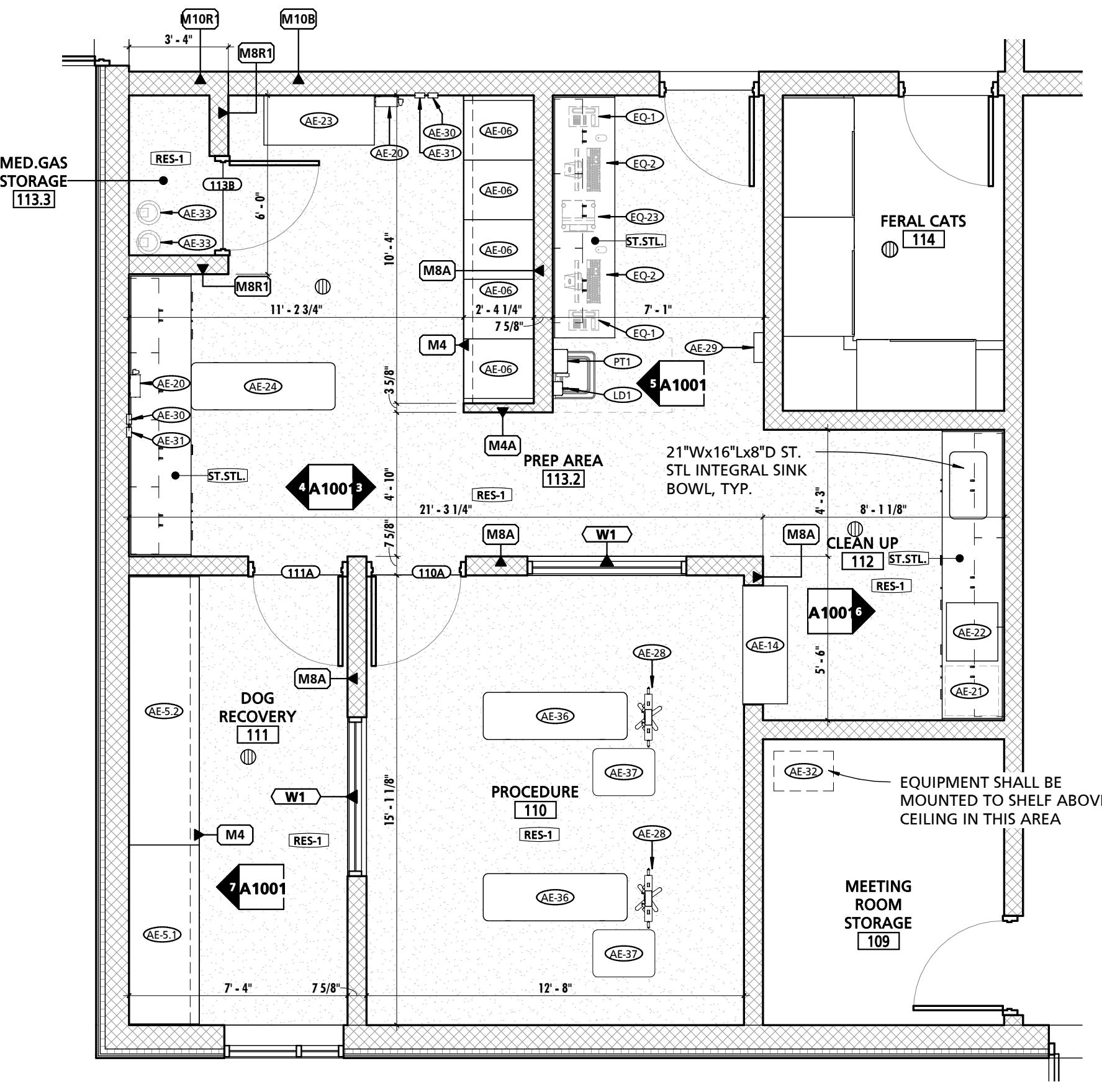
SHEET NUMBER:
A1001

12/20/2019 9:34:11 AM

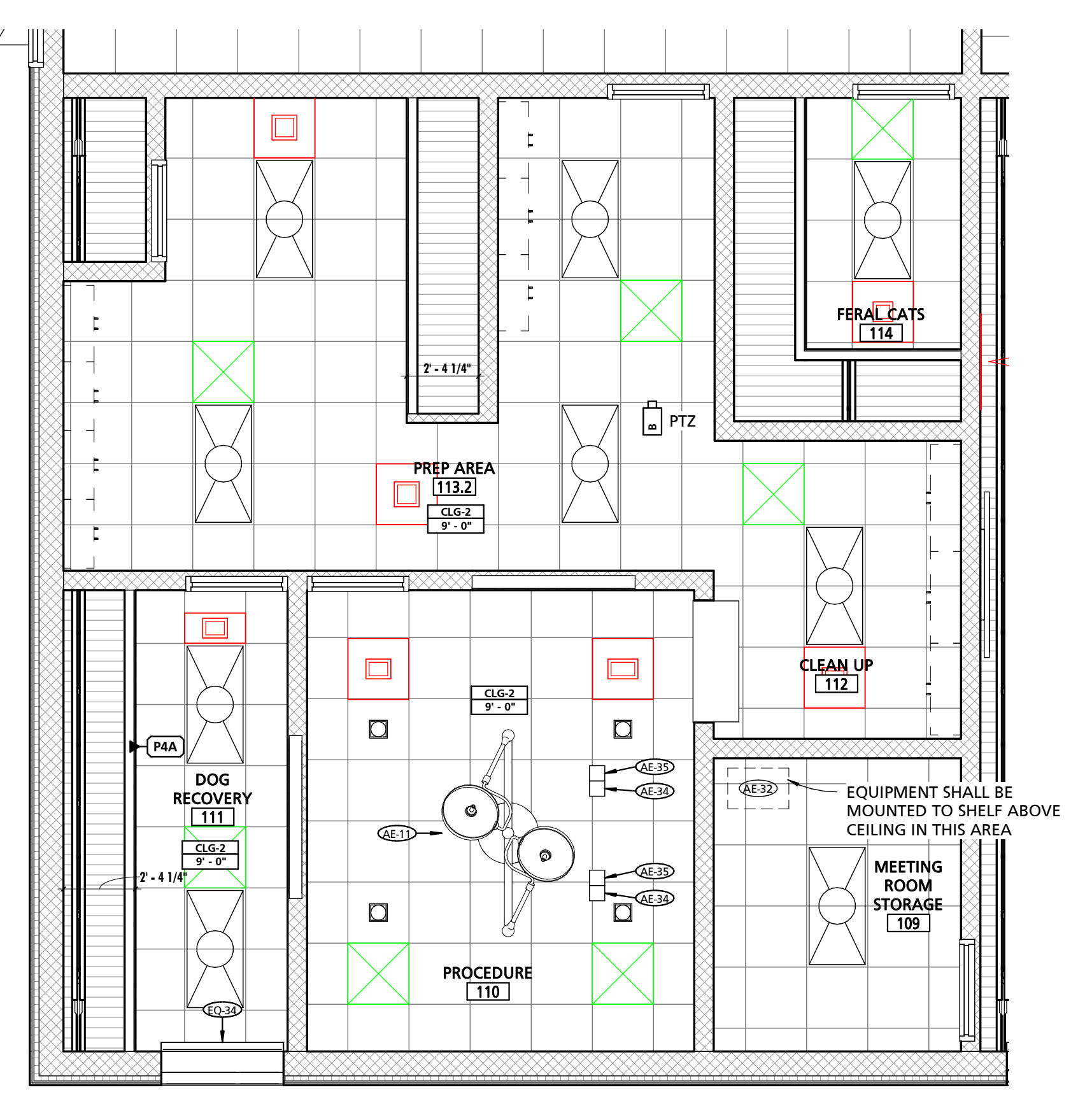
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES, NOTES & DETAILS.
2	SEE SHEET A107 FOR FINISH NOTES & DETAILS.
3	SEE SHEET A109 FOR FFE SCHEDULES, NOTES & DETAILS.
4	SEE SHEET SS100 FOR ADDITIONAL SPECIALTY SYSTEM REQUIREMENTS/INFORMATION.
5	SEE SHEET A600 SERIES FOR DOOR & WINDOW TYPES, NOTES & DETAILS.
6	SEE SHEET A700 FOR TYPICAL EQUIPMENT & CASEWORK DETAILS.

MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
CLG-1	2x2 ACOUSTICAL CEILING TILE	USG	BASIC - FISSURED	
CLG-2	2x2 VINYL CEILING TILE	USG	CLEAN ROOM	PROVIDE GASKETED TEE FLANGES
CLG-3	1/2" GWB OVER 3/8" METAL STUDS @ 16" O.C.	N/A	N/A	MOISTURE & MOLD RESISTANT GWB IN WET LOCATIONS
CLG-4	8" NON-PERFORATED, LINEAR METAL CEILING W/ WOOD TEXTURE	ARMSTRONG	METALWORKS - LINEAR - PERFORATED	EXPOSED EDGES SHALL RECEIVE 4" AXIOM EDGE TRIM. RECESSED LIGHTING TO RECEIVE TRIM BY CLG MANUF.
CLG-5	2x2 CERAMIC CEILING TILE	USG	RADAR CERAMIC ACOUSTICAL PANELS	
CLG-6	8" PERFORATED, LINEAR METAL SOFFIT W/ WOOD TEXTURE	ARMSTRONG	METALWORKS - LINEAR - EXTERIOR	PROVIDE COMPRESSION POSTS AS REQUIRED BY MANUF. FOR WIND UPLIFT
CLG-7	LINEAR METAL SOFFIT	ATAS INTERNATIONAL	DWF	
CLG-8	8" PERFORATED, LINEAR METAL SOFFIT	ARMSTRONG	METALWORKS - LINEAR - EXTERIOR	PROVIDE COMPRESSION POSTS AS REQUIRED BY MANUF. FOR WIND UPLIFT

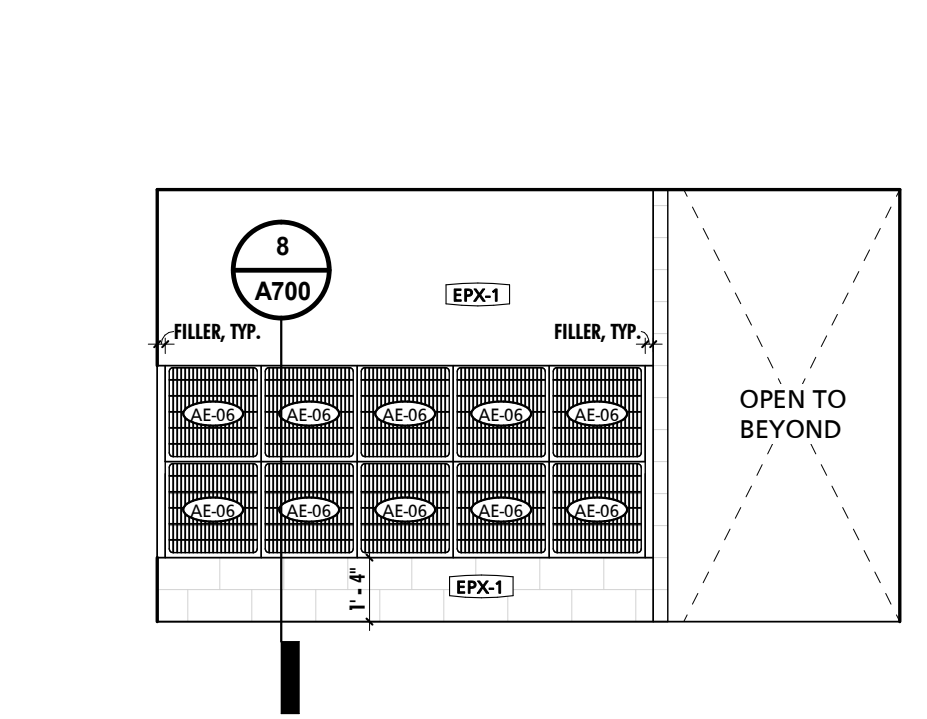
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	COLOR SELECTION	BOD COMMENTS
B-1	4" RUBBER BASE - COLOR 1	JOHNSONITE	TRADITIONAL RUBBER BASE	DOCKSIDE	
B-2	4" RESINOUS COVE BASE	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
B-3	6x12 CERAMIC TILE COVE BASE	CROSSVILLE	BOHEMIA	BEATNIK	
CONC	SEALED CONCRETE	N/A	N/A	N/A	
CT-1	12x24 CERAMIC FLOOR TILE - COLOR 1	CROSSVILLE	BOHEMIA	BEATNIK	
EPX-1	EPOXY PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
EPX-2	EPOXY PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	OSAGE ORANGE	
EPX-3	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	CITYSCAPE	
EPX-4	EPOXY PAINT - COLOR 3	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
FT-#	FLOORING TRANSITION TYPE	N/A	N/A	N/A	SEE DETAIL 3/A107
HPC-1	HIGH-PERFORMANCE COATING - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSALOK	STAY IN LIME SW 9032	
MP-2.1	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRA-LOK	SLATE BLUE	
MP-2.2	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRA-LOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PT-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PT-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
LVT-1	LUXURY VINYL TILE - COLOR 1	ARMSTRONG	NATURAL CREATIONS	SPETRO W/ BLUE HAWAIIAN MIXER	
MP-1	METAL PANEL TYPE 1 - COLOR 1	ATAS INTERNATIONAL	VERSALOK	STAY IN LIME SW 9032	
MP-2.1	METAL PANEL TYPE 2 - COLOR 1	ATAS INTERNATIONAL	CORRA-LOK	SLATE BLUE	
MP-2.2	METAL PANEL TYPE 2 - COLOR 2	ATAS INTERNATIONAL	CORRA-LOK	CHARCOAL GREY	
PH-1	PHENOLIC RESIN - COLOR 1	BMT/NELSON	LABORATORY CASEWORK	LIGHT GREY	
PL-1	PLASTIC LAMINATE - COLOR 1	FORMICA	N/A	FOLKSTONE	
PL-2	PLASTIC LAMINATE - COLOR 2	FORMICA	N/A	MOUSE	
PL-3	PLASTIC LAMINATE - COLOR 3	NEVAMAR	N/A	SUNKEN TREASURE	
PT-1	WALL PAINT - COLOR 1	MC CORMICK PAINTS	N/A	MOON MIST	
PT-2	WALL PAINT - COLOR 2	SHERWIN-WILLIAMS	N/A	STAY IN LIME	
RES-1	RESINOUS FLOORING	DUREX	DYMAFLAKE	ROBINS EGG W/ CUSTOM FLAKES	
RES-2	RESINOUS WALL COATING	DUREX	DYMAFLAKE	ARCTIC	
SS-1	SOLID SURFACE - COLOR 1	CORIAN	SOLID SURFACE	MINERAL	
SS-2	SOLID SURFACE - COLOR 2	FORMICA	SOLID SURFACE	BOTTLE GLASS QUARTZ 770	
SS-3	SOLID SURFACE - COLOR 3	CORIAN	SOLID SURFACE	DEEP CLOUD	
STAIN	CONCRETE STAIN & SEALER	H&C CONCRETE	INFUSION	GOLD LEAF	SEE SPECIFICATIONS FOR STAIN & SEALER
ST STL	STAINLESS STEEL COUNTERTOP				COUNTERTOP W/ MARINE EDGE AND INTEGRAL BACKSPASH
SW-1	SLAT WALL	MARLITE	SLATWALL	WINDSOR	PROVIDE PVC EDGE TRIM
WOM	20x20 WALK-OFF CARPET TILE	MOHAWK GROUP	TUFF STUFF II	COBALT	
WT-1	12x24 CERAMIC WALL TILE - COLOR 1	CROSSVILLE	BOHEMIA	TINKER	



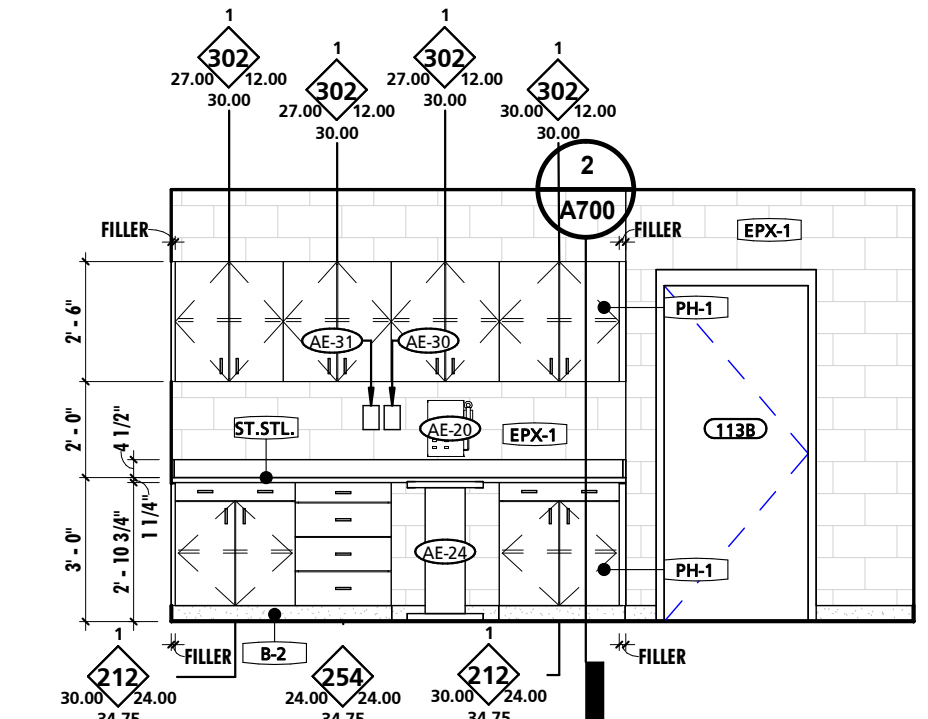
1 ALTERNATE 004 - SPAY/NEUTER CLINIC PLAN
1/4" = 1'-0"



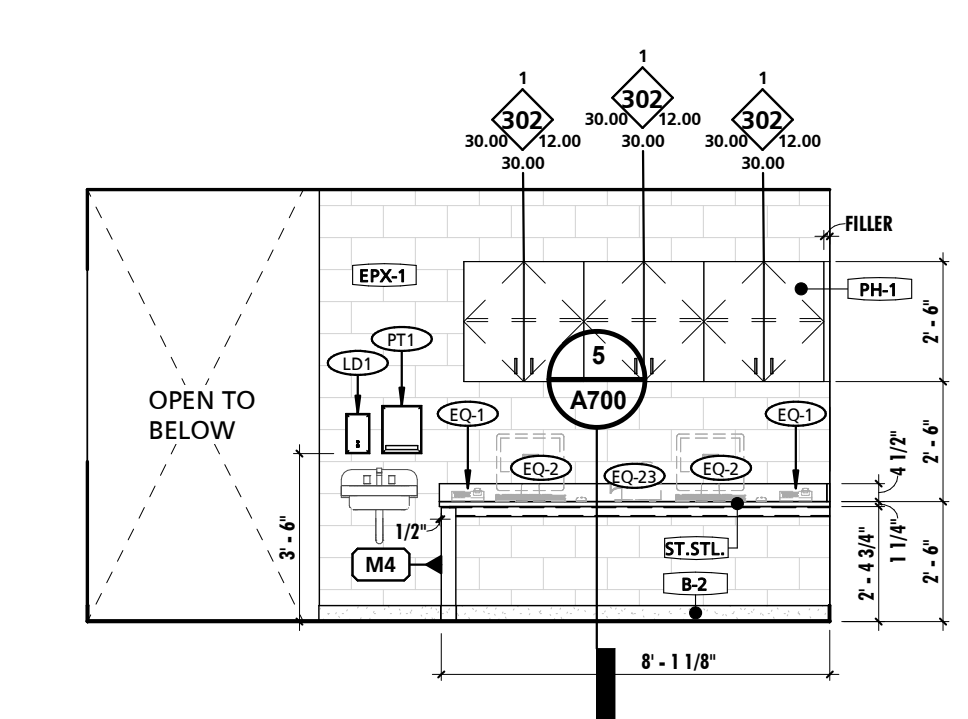
2 ALTERNATE 004 - SPAY/NEUTER CLINIC REFLECTED CEILING PLAN
1/4" = 1'-0"



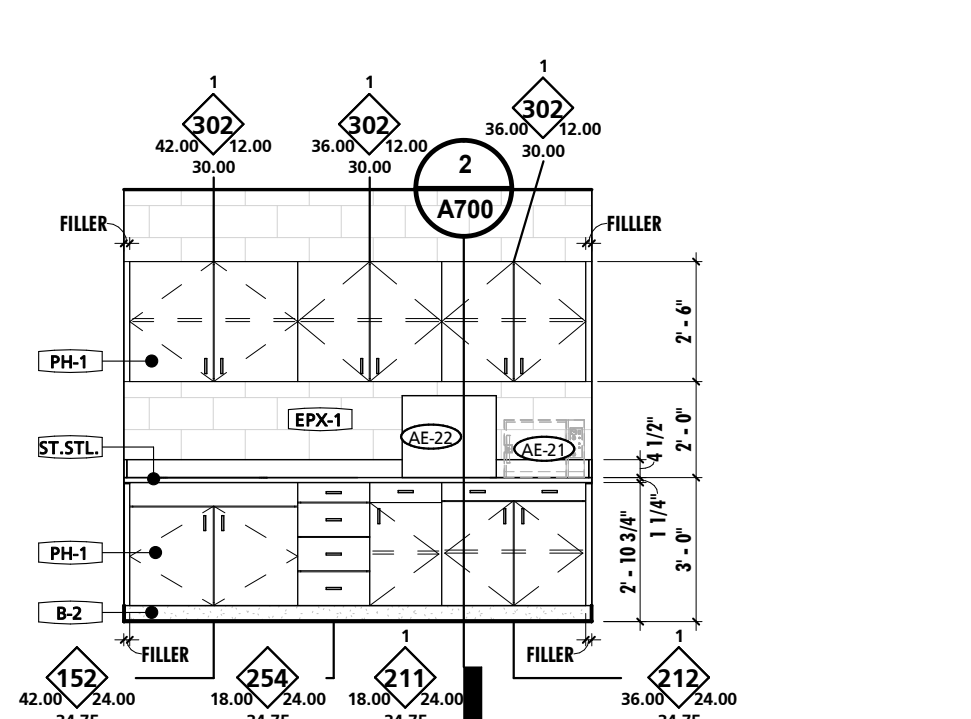
3 ALTERNATE 004 - PREP AREA - EAST
1/4" = 1'-0"



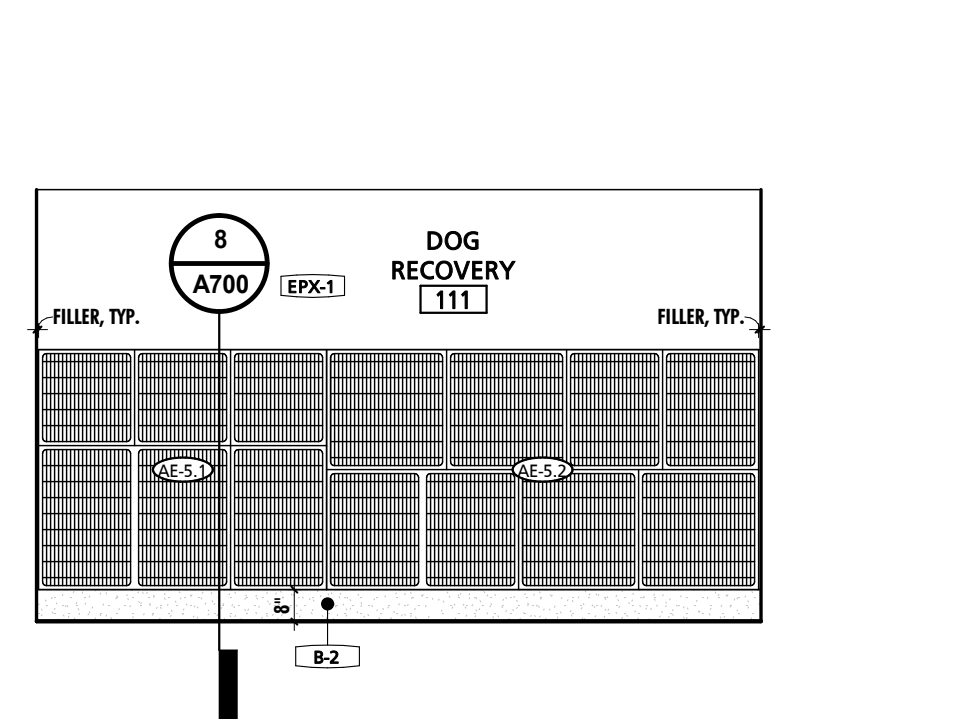
4 ALTERNATE 004 - PREP AREA - WEST
1/4" = 1'-0"



5 ALTERNATE 004 - PREP AREA - WORKSTATIONS
1/4" = 1'-0"



6 ALTERNATE 004 - CLEAN UP - EAST
1/4" = 1'-0"

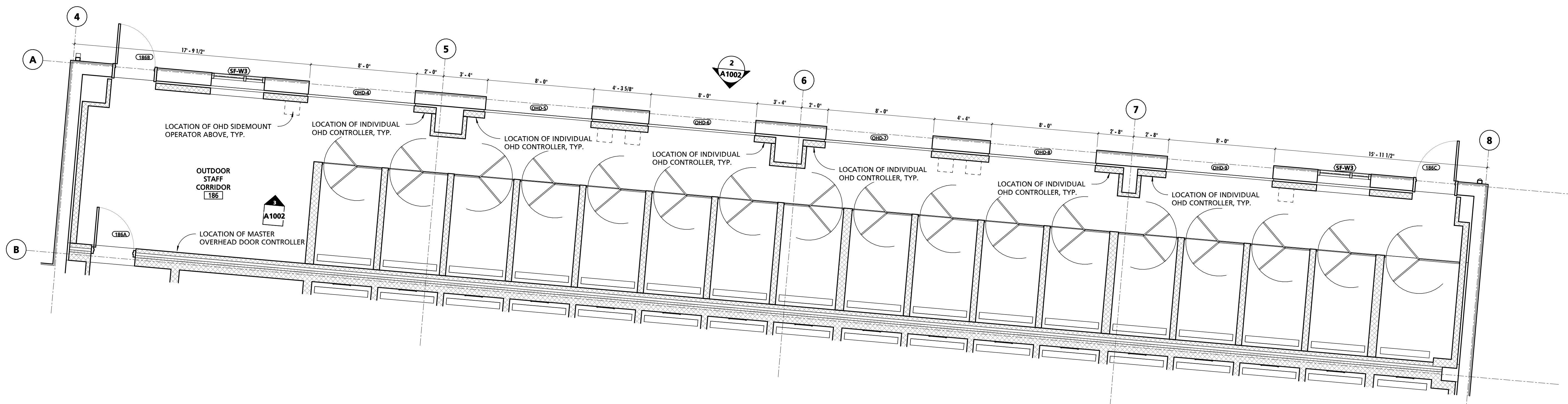


7 ALTERNATE 004 - DOG RECOVERY - WEST
1/4" = 1'-0"

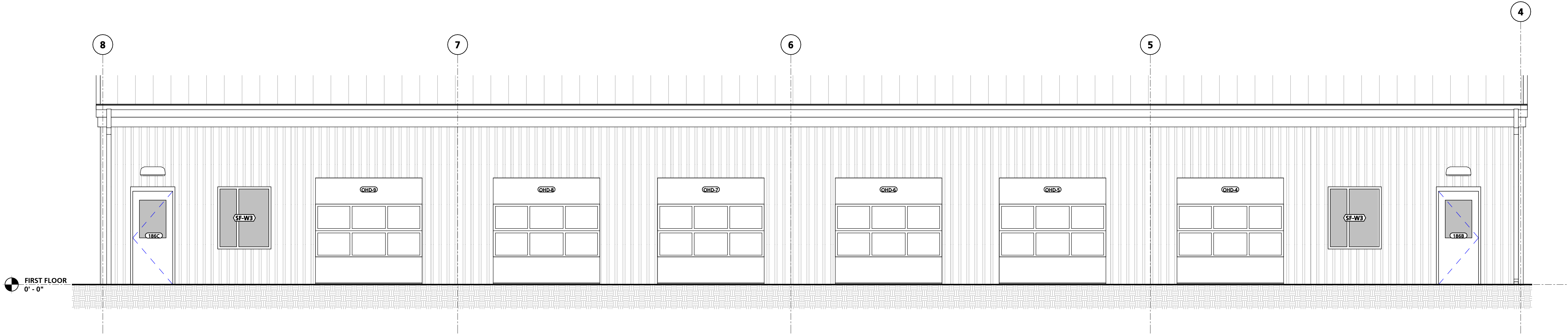
MARK	DOOR PANEL		FRAME										GLAZING		DETAILS			RATINGS		HARDWARE SET	COMMENTS			
	SIZE	TYPE	THICKNESS	MATERIAL	FINISH	FRAME TYPE	OVERALL HEIGHT	OVERALL WIDTH	DEPTH	THROAT	HEAD	JAMB	SIDE LITE WIDTH	TRANSOM HEIGHT	MATERIAL	FINISH	THICKNESS	TYPE	HEAD			JAMB	THRESHOLD	STC
110A	3'-0" x 7'-0"	PANEL : G	1 3/4"	HM-GALV	--	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	0'-0"	HM-GALV	--	1/4"	GL2	H3	J3	--	--	19	
111A	3'-0" x 7'-0"	PANEL : G	1 3/4"	HM-GALV	--	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	0'-0"	HM-GALV	--	1/4"	GL2	H3	J3	--	--	19	
113B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM-GALV	--	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	0'-0"	HM-GALV	--	0"	--	H3	J3	--	--	20	34

RM #	ROOM INFORMATION		WALL FINISH				CEILING FINISH	REMARKS
	ROOM NAME	FLOOR FINISH	BASE	NORTH	SOUTH	EAST		
110	PROCEDURE	RES-1	B-2	EPX-1	EPX-1	EPX-1	CLG-2	
111	DOG RECOVERY	RES-1	B-2	EPX-1	EPX-1	EPX-1	CLG-2	
112	CLEAN UP	RES-1	B-2	EPX-1	EPX-1	EPX-1	CLG-2	
113.2	PREP AREA	RES-1	B-2	EPX-1	EPX-1	EPX-1	CLG-2	
113.3	MED.GAS STORAGE	RES-1	B-2	EPX-1	EPX-1	EPX-1	RA3	

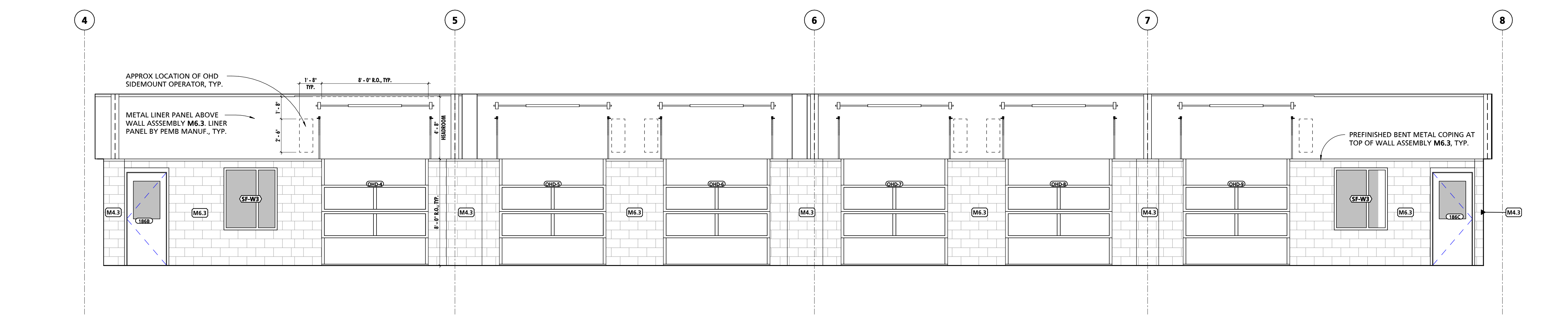
GENERAL ALTERNATE NOTES	
NOTE #	NOTE
1	SEE SHEET A103 FOR BUILDING ASSEMBLY TYPES, NOTES & DETAILS.
2	SEE SHEET A107 FOR FINISH NOTES & DETAILS.
3	SEE SHEET A109 FOR FFE SCHEDULES, NOTES & DETAILS.
4	SEE SHEET S5100 FOR ADDITIONAL SPECIALTY SYSTEM REQUIREMENTS/INFORMATION.
5	SEE SHEET A600 SERIES FOR DOOR & WINDOW TYPES, NOTES & DETAILS.
6	SEE SHEET A700 FOR TYPICAL EQUIPMENT & CASEWORK DETAILS.



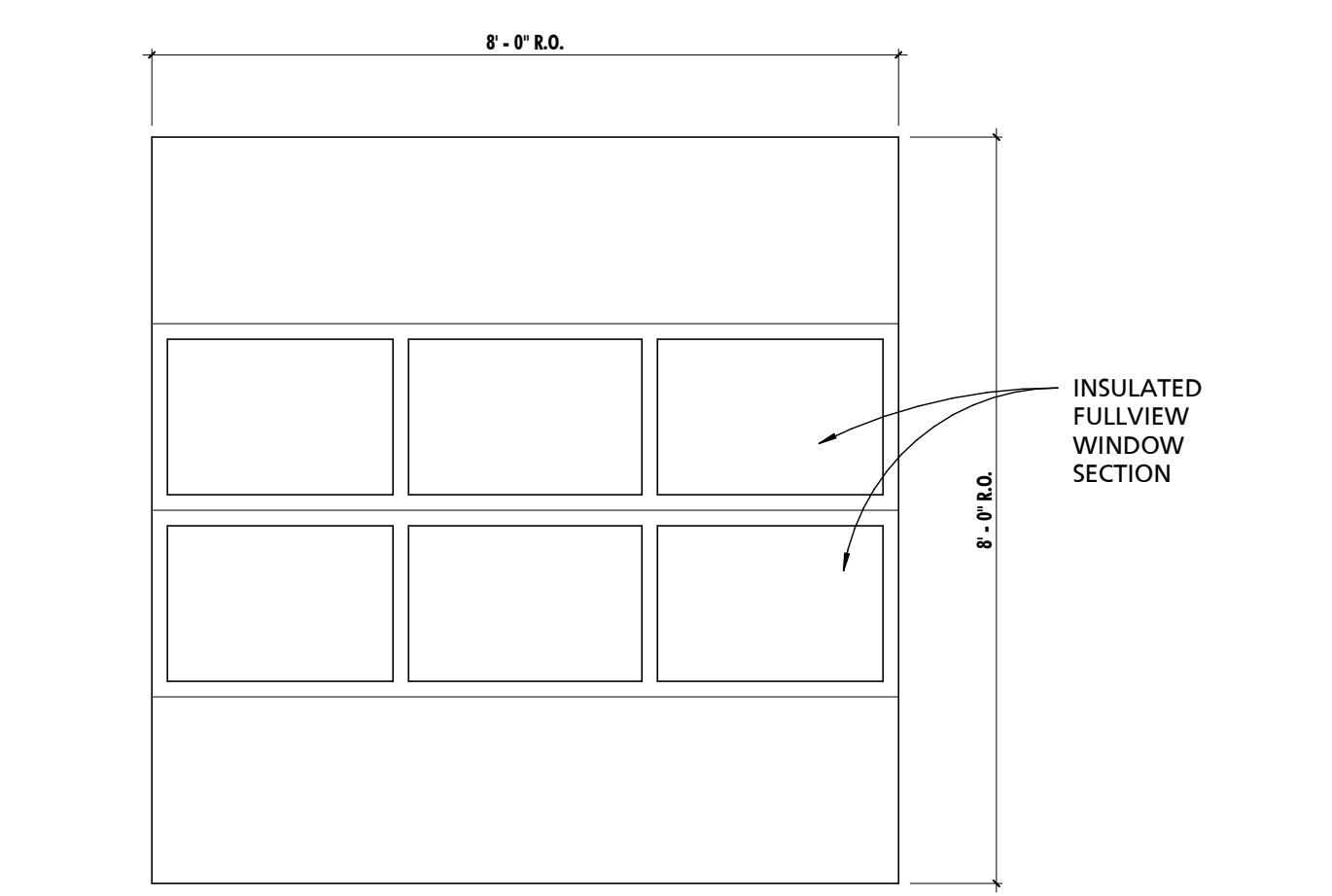
1 ALTERNATE 005 - OUTDOOR DOG RUN DOORS - PLAN
1/4" = 1'-0"



2 ALTERNATE 005 - OUTDOOR DOG RUN DOORS - EXTERIOR ELEVATION
1/4" = 1'-0"



3 ALTERNATE 005 - OUTDOOR DOG RUN DOORS - INTERIOR ELEVATION
1/4" = 1'-0"



OHD-4/5/6/7/8/9
ALTERNATE 005 - OVERHEAD DOOR PANEL TYPES
1/2" = 1'-0"

SCHEDULE - DOOR - ALTERNATE 005 - DOG RUN DOORS											
MARK	SIZE	DOOR PANEL TYPE	THICKNESS	MATERIAL	FINISH	ROUGH OPENING		DETAILS			COMMENTS
						OVERALL HEIGHT	OVERALL WIDTH	HEAD	JAMB	THRESHOLD	
OHD-4	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)
OHD-5	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)
OHD-6	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)
OHD-7	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)
OHD-8	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)
OHD-9	8'-0" x 8'-0"	PANEL : OHD-4	1 3/4"	STEEL INSULATED	PREFINISHED	8'-0"	8'-0"	OH-H2	OH-J2	OH-S2	OVERHEAD DOOR TRACKS SHALL BE HIGH LIFT & ANGLED TO FOLLOW THE ROOF SLOPE. OPERATOR SHALL BE SIDEMOUNT (JACKSHAFT)

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #15505 EXPIRATION DATE: 09-18-2025



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

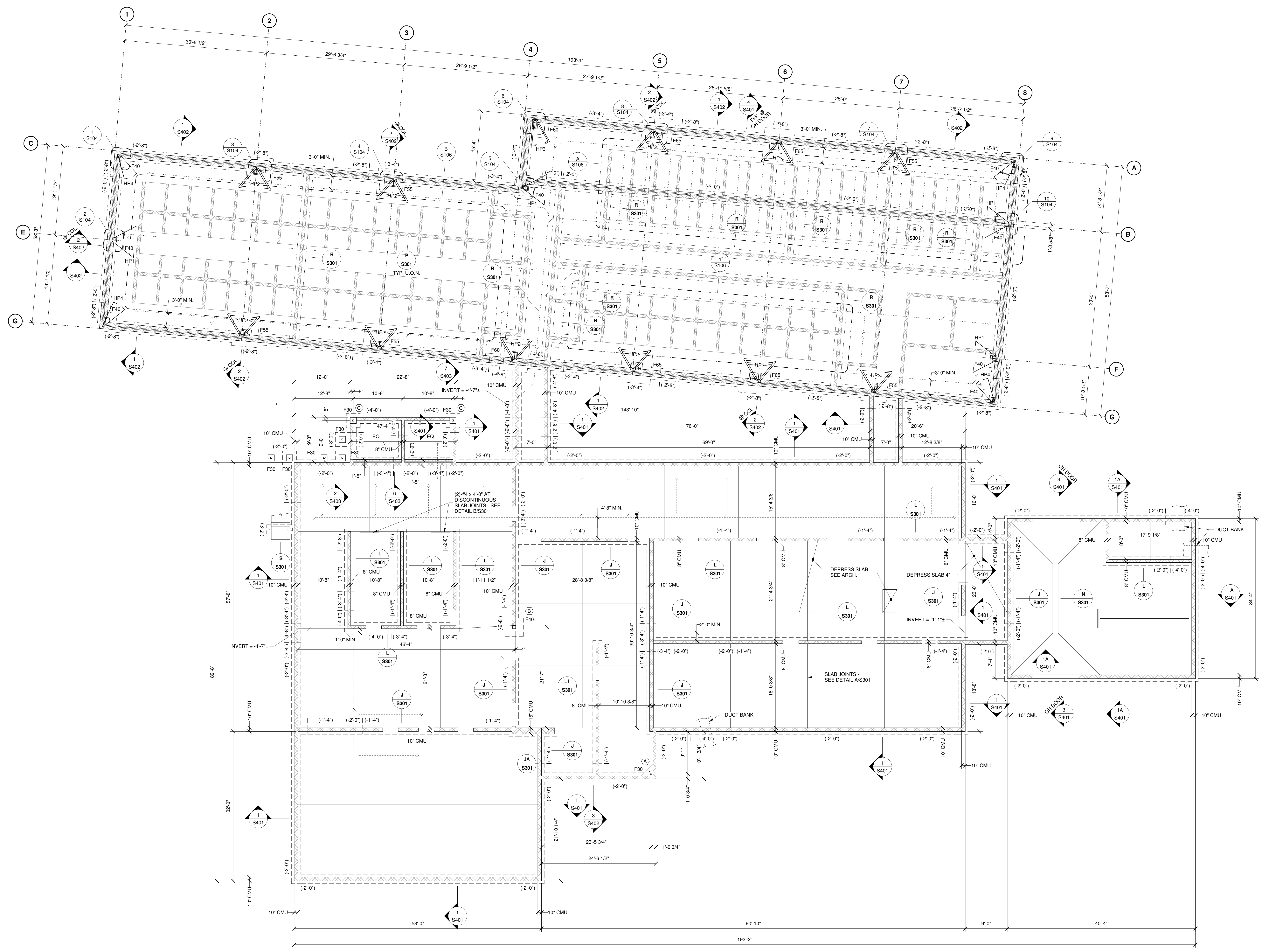
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
ALTERNATE 005 -
OUTDOOR DOG RUN
DOORS
SHEET NUMBER:
A1002

SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE NO.: 12729
EXPIRATION DATE: 12/07/2021

CONSULTANT:
MPM
CONSULTING STRUCTURAL ENGINEERS
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

CHARLES COUNTY ANIMAL SHELTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT PERMIT		
DATE	12/23/2019	
DRAWING	FOUNDATION/ FIRST FLOOR PLAN	
SHEET	S101	



FOUNDATION/ FIRST FLOOR PLAN
1/8" = 1'-0"

1. UNLESS OTHERWISE NOTED, SLAB-ON-GRADE TO BE 6" MINIMUM THICK CONCRETE SLAB w/ 6x6x6 W/M ON SEAMLESS 10 MIL. POLYETHYLENE VAPOR BARRIER OVER 8" MINIMUM THICK CRUSHED STONE OR WASHED GRAVEL OVER A PROPERLY PREPARED SUBGRADE.
2. TOP OF SLAB-ON-GRADE ELEVATION EQUALS DATUM ELEVATION 0'-0" UNLESS OTHERWISE NOTED -X" AS REFERENCED FROM DATUM ELEVATION 0'-0".
3. TOP OF FOOTING ELEVATIONS ARE NOTED THUS (X'-X") IN PLAN AS REFERENCED FROM DATUM ELEVATION 0'-0".
4. REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT OF INTERIOR CMU WALLS, SLOPED SLABS, FLOOR DRAINS, SLAB DEPRESSIONS, ETC.
5. SLAB JOINT LOCATIONS INDICATED ON THIS PLAN ARE CONCEPTUAL ONLY AND IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR PREFERRED JOINT PATTERNS. SUBMIT PROPOSED JOINT LAYOUT FOR A/E REVIEW. IN GENERAL, JOINTS SHALL BE NO GREATER THAN 18'-0" MAX. IN ANY DIRECTION AND SHALL BE AS SQUARE AS PRACTICAL. SEE DETAIL A/S301.
6. ALL DIMENSIONS ARE TO FACE OF CMU WALLS, UNLESS OTHERWISE NOTED.

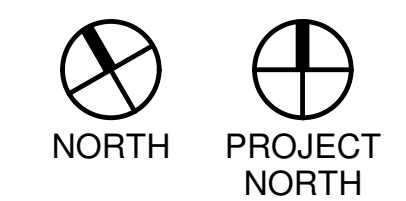
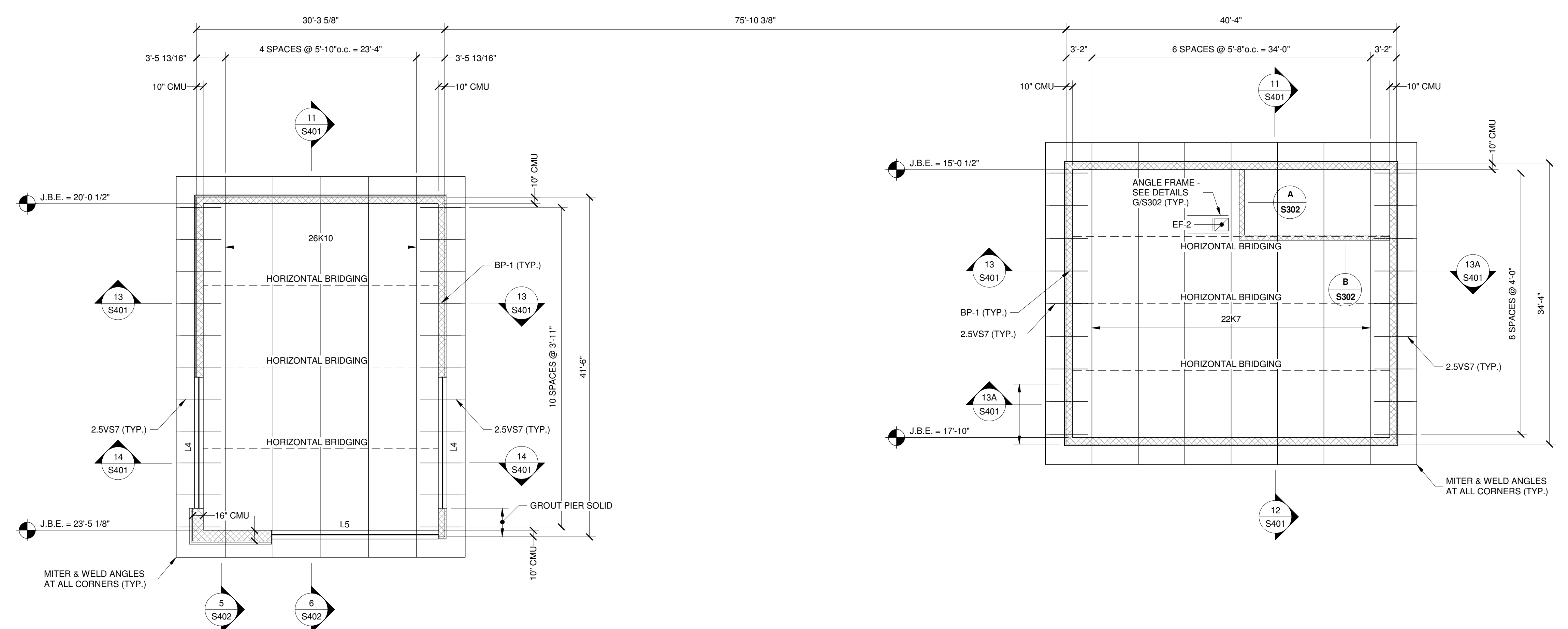
12/20/2019 4:46:29 PM



MAIN ROOF FRAMING PLAN
1/8" = 1'-0"
NORTH PROJECT NORTH
1. ENTIRE MAIN ROOF DECK TO BE 1 1/2" 22ga. GALVANIZED TYPE 'B' METAL DECK AS MANUFACTURED BY VULCRAFT OR APPROVED EQUIVALENT, UNLESS OTHERWISE NOTED.
2. STEEL JOIST BEARING ELEVATIONS ARE NOTED THUS J.B.E. - 'X'-X" IN PLAN AND ON SECTIONS AS REFERENCED FROM DATUM ELEVATION 0'-0".
3. — IN PLAN REPRESENTS COMPLETE PENETRATION MOMENT CONNECTION. SEE DETAILS AND SECTIONS.
4. DESIGN ALL JOISTS FOR A NET UPLIFT OF 15gpi. PROVIDE ADDITIONAL BRIDGING AS REQUIRED.
5. STEEL BEAMS PARALLEL WITH JOISTS TO BE AT SAME ELEVATION AND SLOPE AS THE JOISTS.
6. ALL DIMENSIONS ARE TO FACE OF CMU WALLS, UNLESS OTHERWISE NOTED.

SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 12729
EXPIRATION DATE: 12/07/2021

CONSULTANT:
MANN WOODWARD
CONSULTING STRUCTURAL ENGINEERS
MPM
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600



UPPER ROOF FRAMING PLAN

1/8" = 1'-0"

1. ENTIRE HIGH ROOF DECK TO BE 1 1/2", 22ga., GALVANIZED TYPE 'B' METAL DECK AS MANUFACTURED BY VULCRRAFT OR APPROVED EQUIVALENT, UNLESS OTHERWISE NOTED.
2. DESIGN ALL JOISTS FOR A NET UPLIFT OF 15psf. PROVIDE ADDITIONAL BRIDGING AS REQUIRED.
3. DESIGN ALL JOIST SEATS FOR AN UNFACTORED ROLLOVER FORCE OF 500 LBS (WIND OR SEISMIC).
4. STEEL JOIST BEARING ELEVATIONS ARE INDICATED THUS J.B.E. = 'X'-X" IN PLAN AND ON SECTIONS. ELEVATIONS ARE REFERENCED FROM DATUM ELEVATION 0'-0".

CHARLES COUNTY ANIMAL SHELTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT
18-034
PROJECT
PERMIT
DATE
12/23/2019

DRAWING
UPPER ROOF FRAMING
PLAN

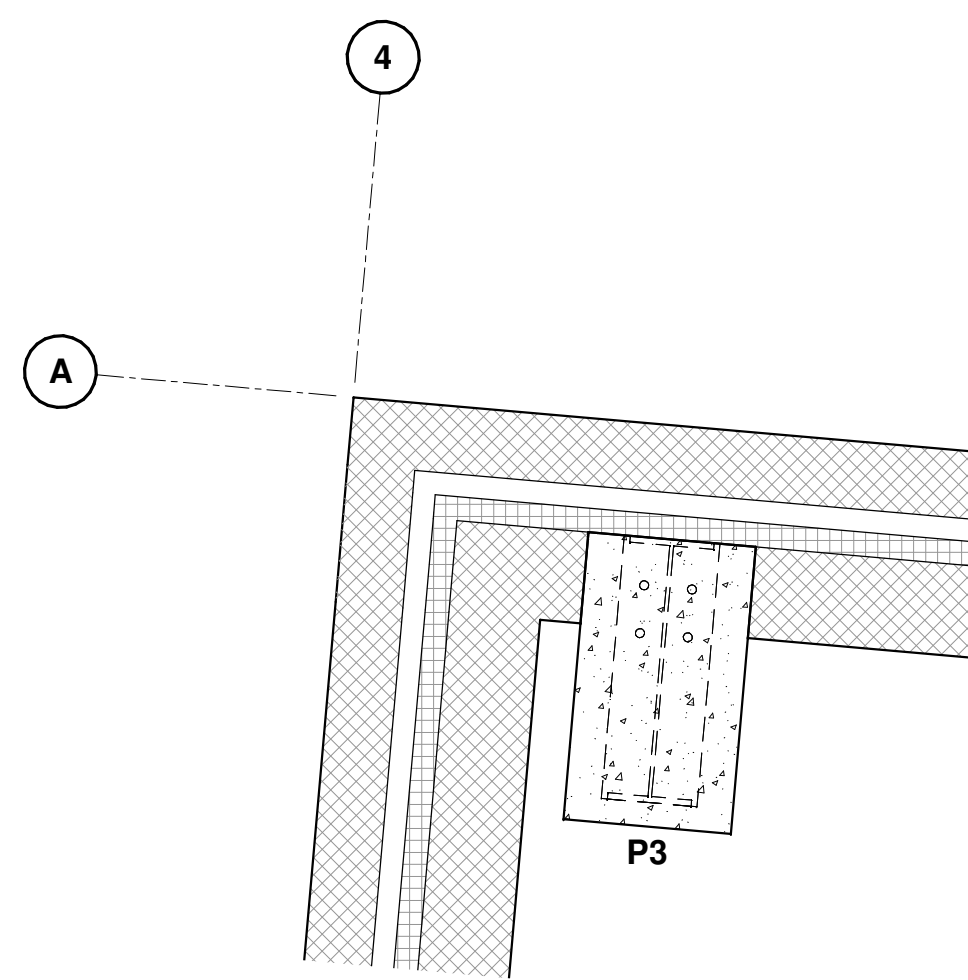
SHEET
S103

SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 12729
EXPIRATION DATE: 12/31/2021

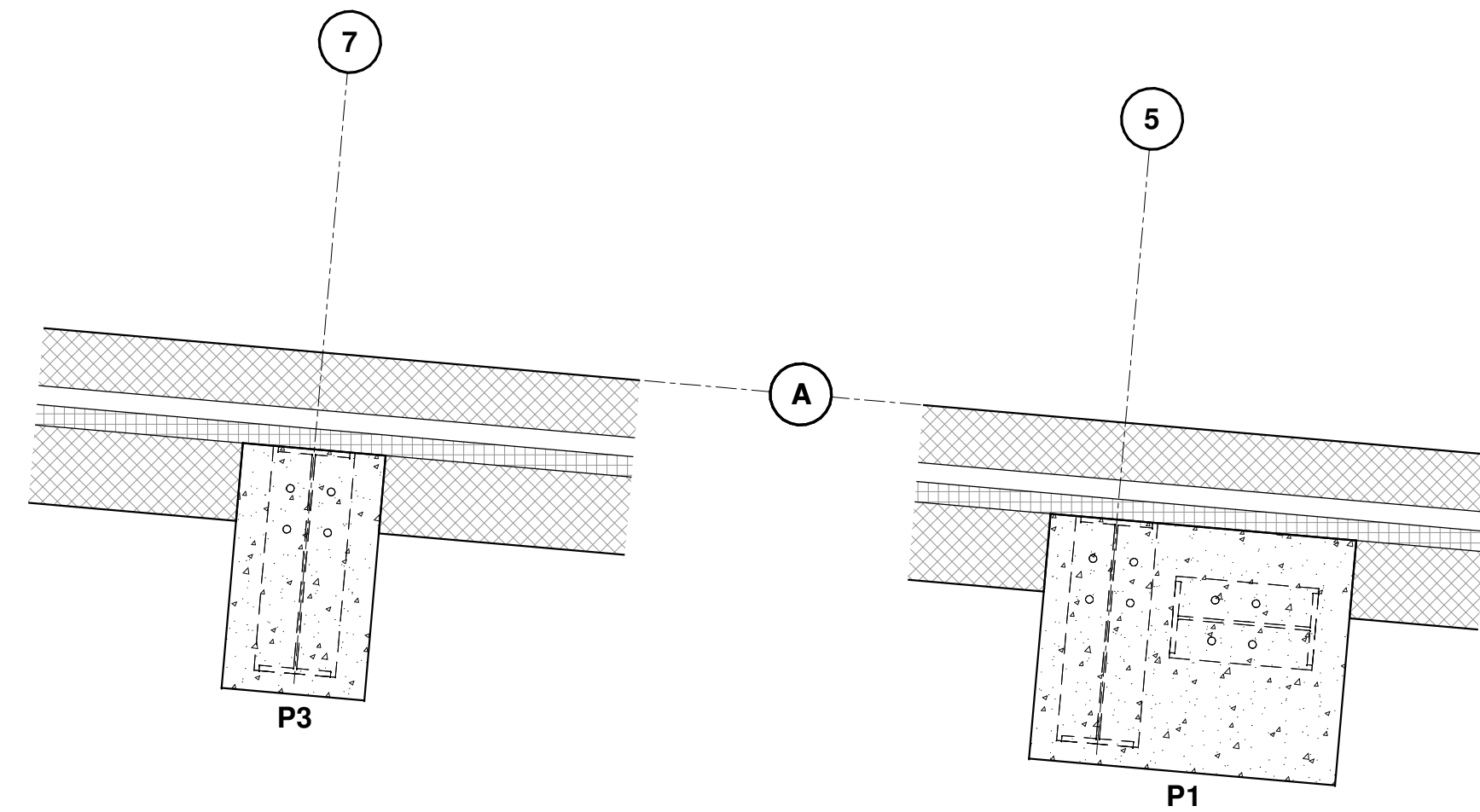
CONSULTANT:
MANN WOODWARD STUDIOS, INC.
MPM
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

CHARLES COUNTY ANIMAL SHELTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO. DESCRIPTION DATE
PROJECT 18-034
PROJECT PERMIT
DATE 12/23/2019
DRAWING ENLARGED PIERS
SHEET **S104**
12/20/2019 4:46:36 PM

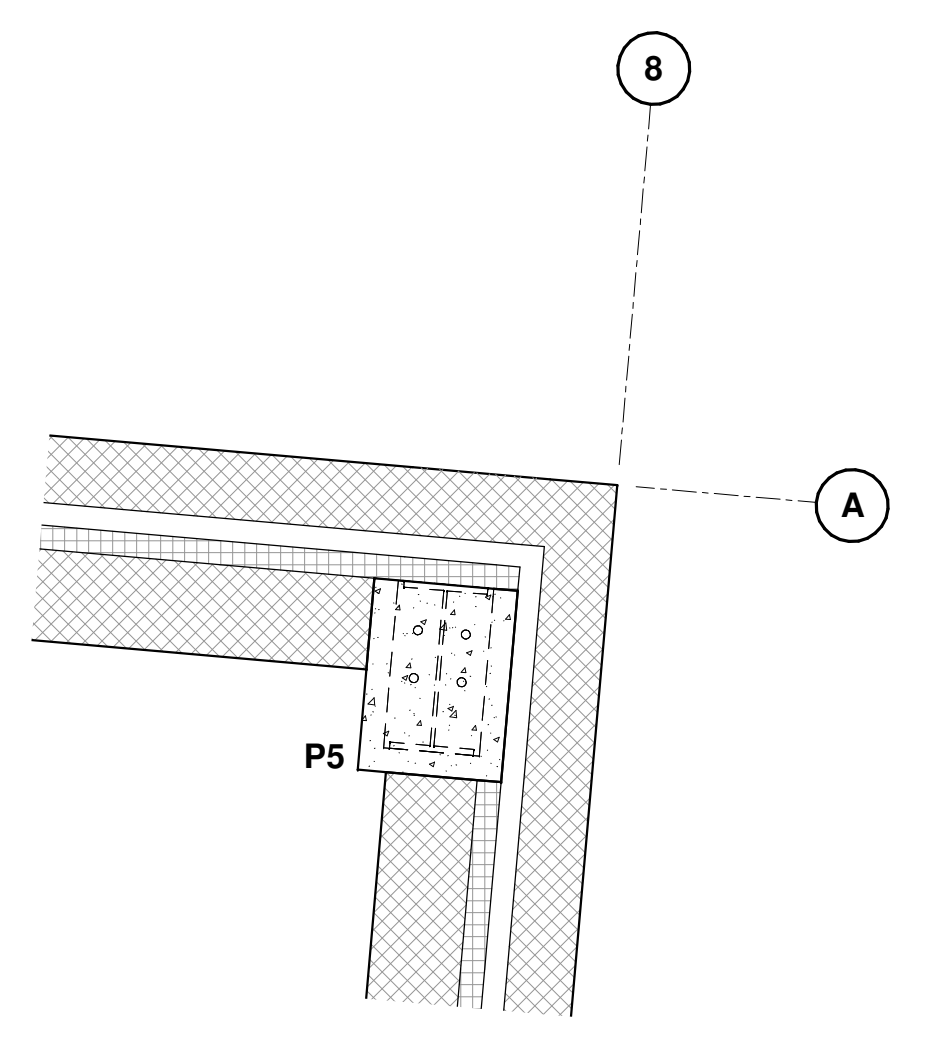


(PLAN) DETAIL 6 S104 3/4" = 1'-0"

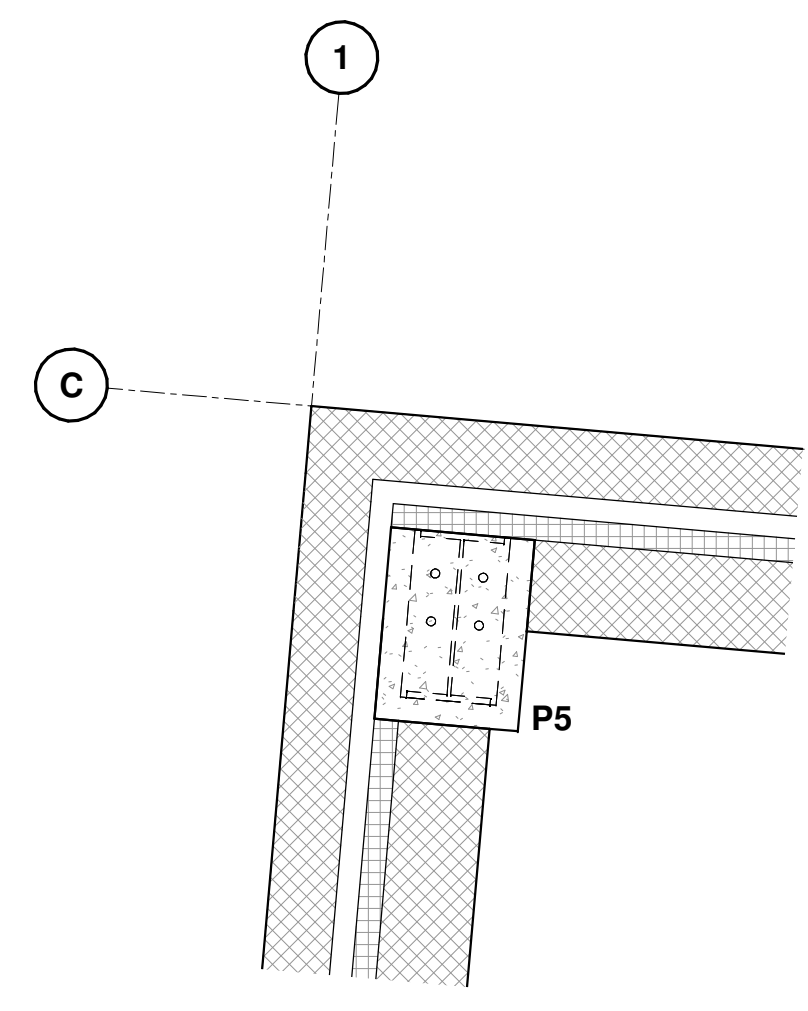


(PLAN) DETAIL 7 S104 3/4" = 1'-0"

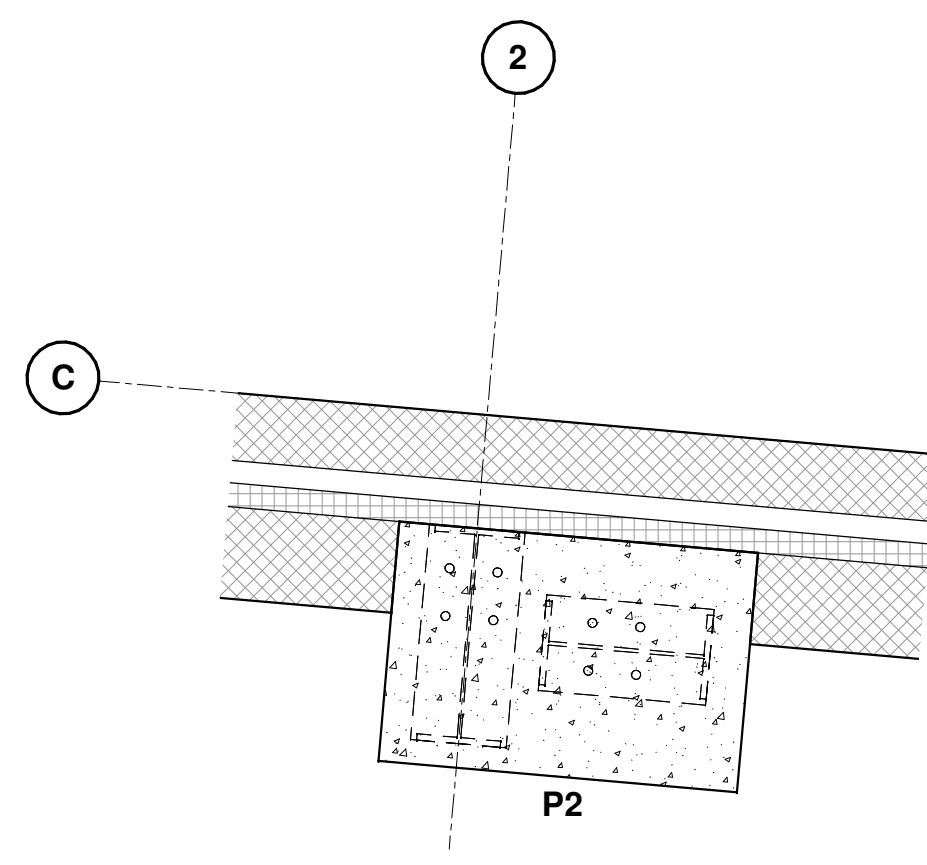
(PLAN) DETAIL 8 S104 3/4" = 1'-0"



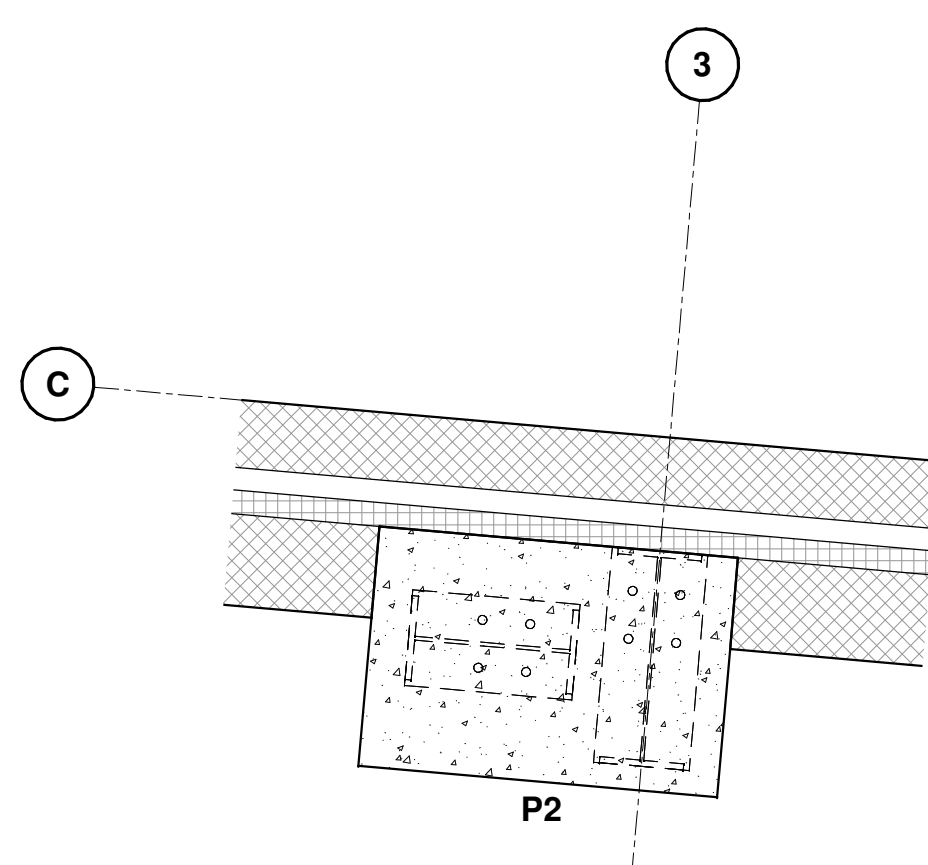
(PLAN) DETAIL 9 S104 3/4" = 1'-0"



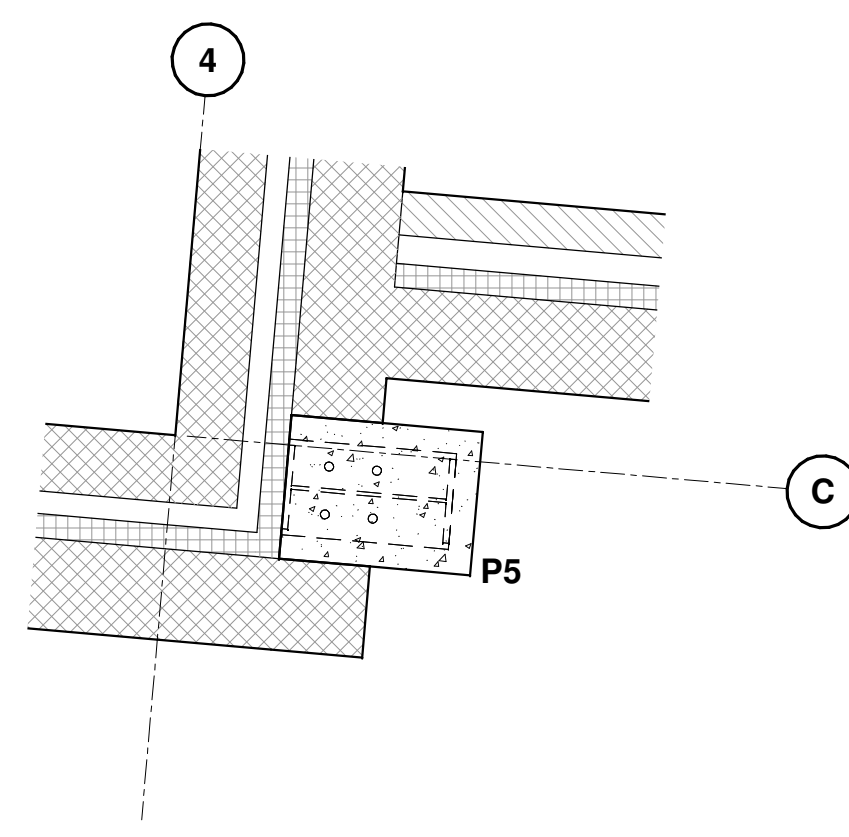
(PLAN) DETAIL 1 S104 3/4" = 1'-0"



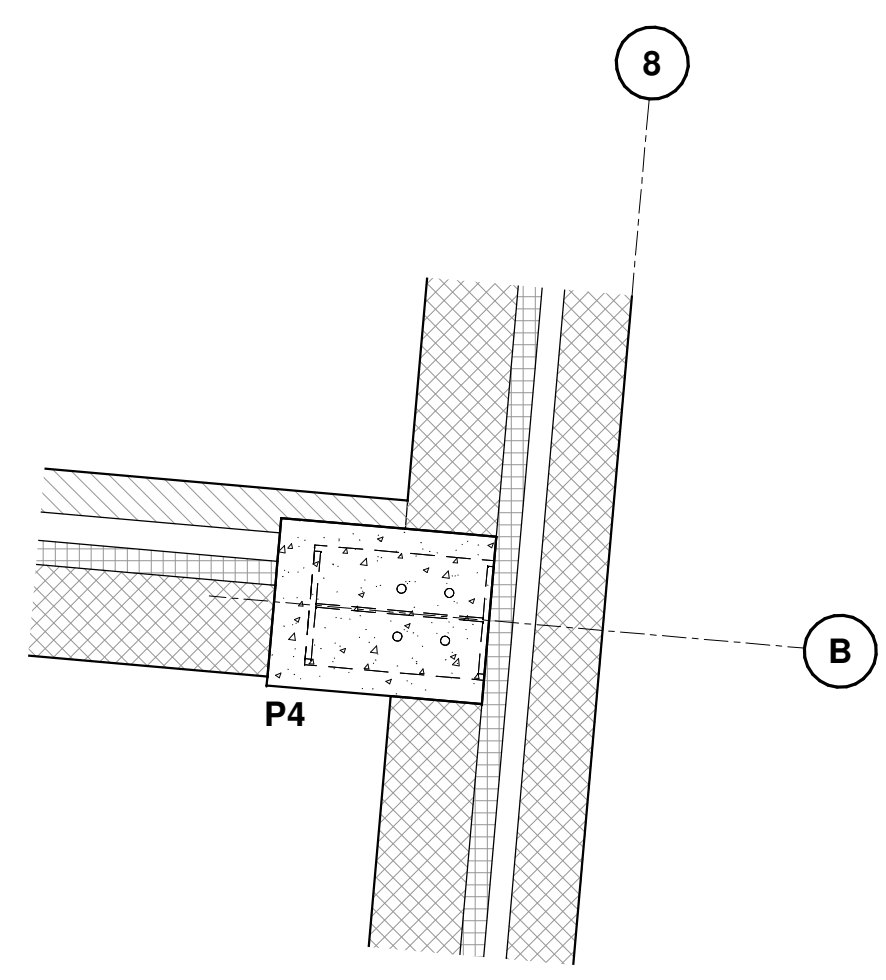
(PLAN) DETAIL 3 S104 3/4" = 1'-0"



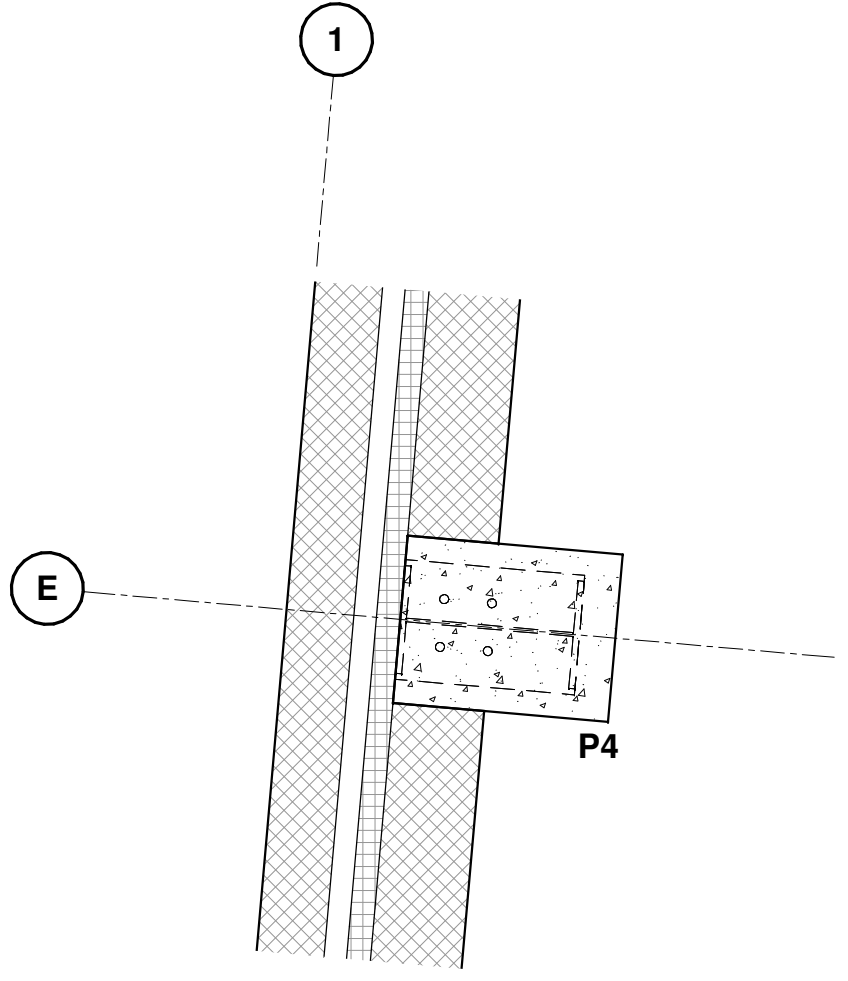
(PLAN) DETAIL 4 S104 3/4" = 1'-0"



(PLAN) DETAIL 5 S104 3/4" = 1'-0"



(PLAN) DETAIL 10 S104 3/4" = 1'-0"

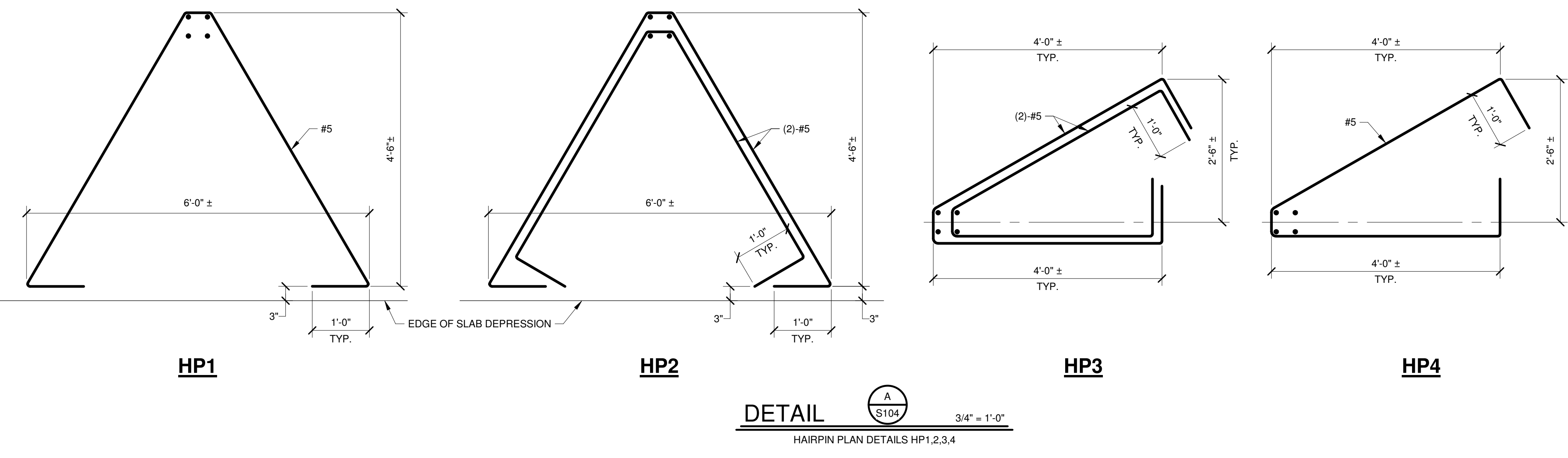


(PLAN) DETAIL 2 S104 3/4" = 1'-0"

PEMB BASIS OF DESIGN						
	GRAVITY	UPLIFT	HORIZONTAL	BASE PLATE DIMENSIONS	CONCRETE PIER TYPE	ANCHOR BOLT TYPE
MA-M5, MA-M6, MG-M5, MG-M6	30k	12k	16k	10"x1'-10"	COMBINED P1	AB1
MA-M7, MG-M7	30k	12k	16k	10"x1'-10"	P3	AB1
MC-M2, MC-M3, MG-M2, MG-M3	25k	13k	10k	10"x1'-6"	COMBINED P2	AB1
MA-M4, MG-M4	30k	16k	16k	10"x1'-10"	P3	AB1
MC-M1, MG-M1, MA-M8, MG-M8, MB-M4	6k	3k	2k	8"x1'-2"	P5	AB2
ME-M1, MB-M8, MF-M8	15k	7k	3k	10"x1'-3"	P4	AB2
PORTAL MA-M5, MA-M6, MG-M5, MG-M6	—	12k	10k	8"x1'-2"	COMBINED P1	AB2
PORTAL MC-M2, MC-M3, MG-M2, MG-M3	—	7k	4k	8"x1'-2"	COMBINED P1	AB2

BASIS OF DESIGN PEMB PIER SCHEDULE					
MARK	P1	P2	P3	P4	P5
PIER SIZE	2'-0"x2'-6"	1'-8"x2'-6"	1'-2"x2'-0"	1'-2"x1'-6"	1'-0"x1'-4"
PIER REINFORCING	(8)-#9 VERT. & (3)-#3 TIES @ 8"o.c.	(8)-#9 VERT. & (3)-#3 TIES @ 8"o.c.	(6)-#7 VERT. & (2)-#3 TIES @ 8"o.c.	(4)-#7 VERT. & #3 TIES @ 8"o.c.	(4)-#7 VERT. & #3 TIES @ 8"o.c.
PIER DETAIL					
	2" CLEAR (TYP.)	2" CLEAR (TYP.)	2" CLEAR (TYP.)	2" CLEAR (TYP.)	2" CLEAR (TYP.)

BASIS OF DESIGN PEMB ANCHOR BOLT SCHEDULE		
MARK	AB1	AB2
ANCHOR BOLT SIZE	(4)-1"Øx2'-0" + 3" HOOK (3" THREADED PROJECTION)	(4)-3/4"Øx1'-8" + 3" HOOK (3" THREADED PROJECTION)
ANCHOR BOLT DETAIL		
	3"	3"



DETAIL A S104 3/4" = 1'-0"
HAIRPIN PLAN DETAILS HP1,2,3,4

SEAL:
 PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE
 DOCUMENTS WERE PREPARED OR
 APPROVED BY ME, AND THAT I AM
 A FULLY LICENSED PROFESSIONAL
 ENGINEER UNDER THE LAWS OF
 THE STATE OF MARYLAND.
 LICENSE No.: 12729
 EXPIRATION DATE: 12/07/2021

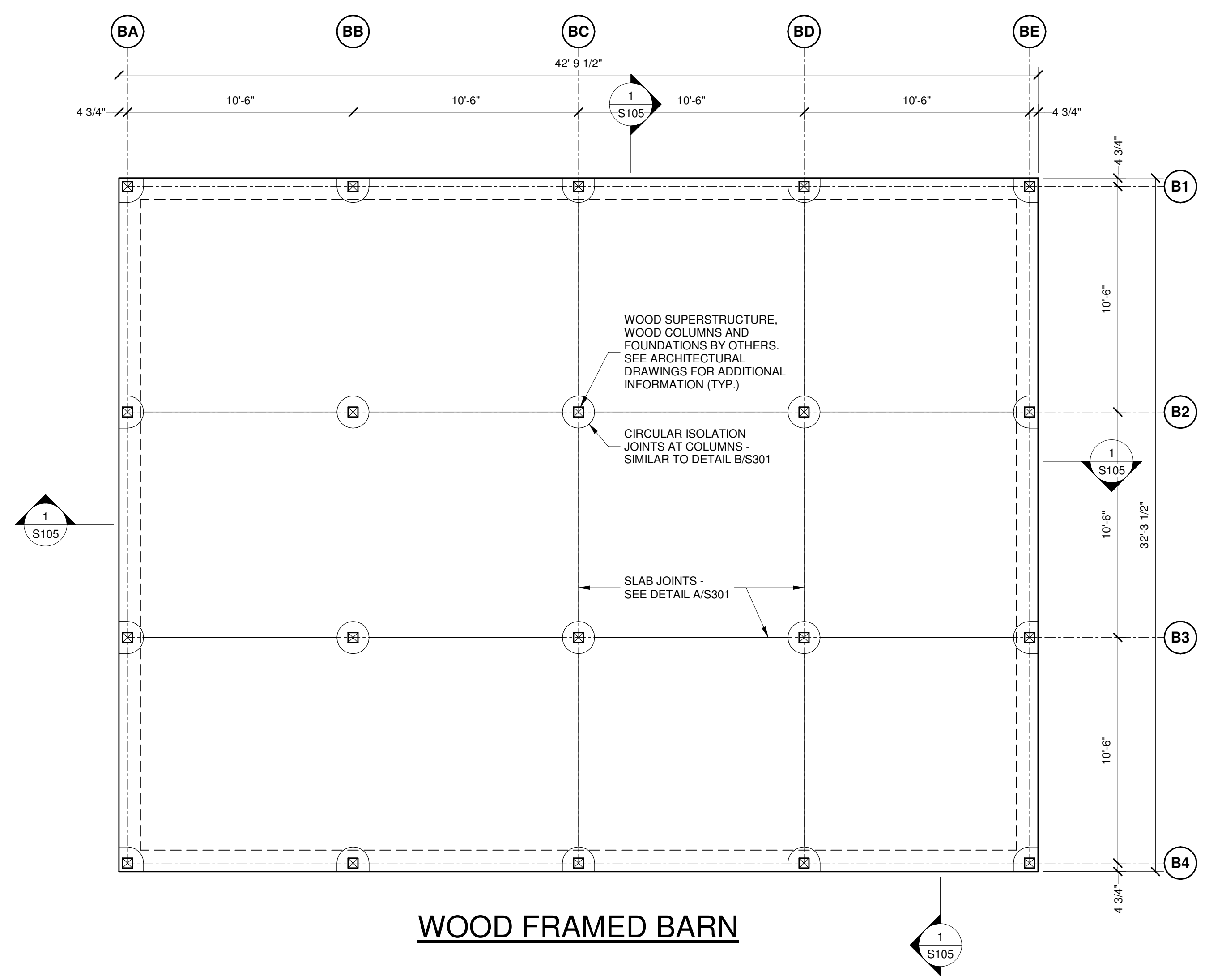
CONSULTANT:
 MANJIV PATEL, M.I.L.A.N.D., INC.
 Consulting Structural Engineer
MPM
 8511 Harford Road
 Baltimore, Maryland 21214
 Telephone: (410) 254-7600

CHARLES COUNTY ANIMAL SHELTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO. DESCRIPTION DATE

PROJECT 18-034
 PROJECT PERMIT
 DATE 12/23/2019
 DRAWING SLAB PLANS
 SHEET **S105**

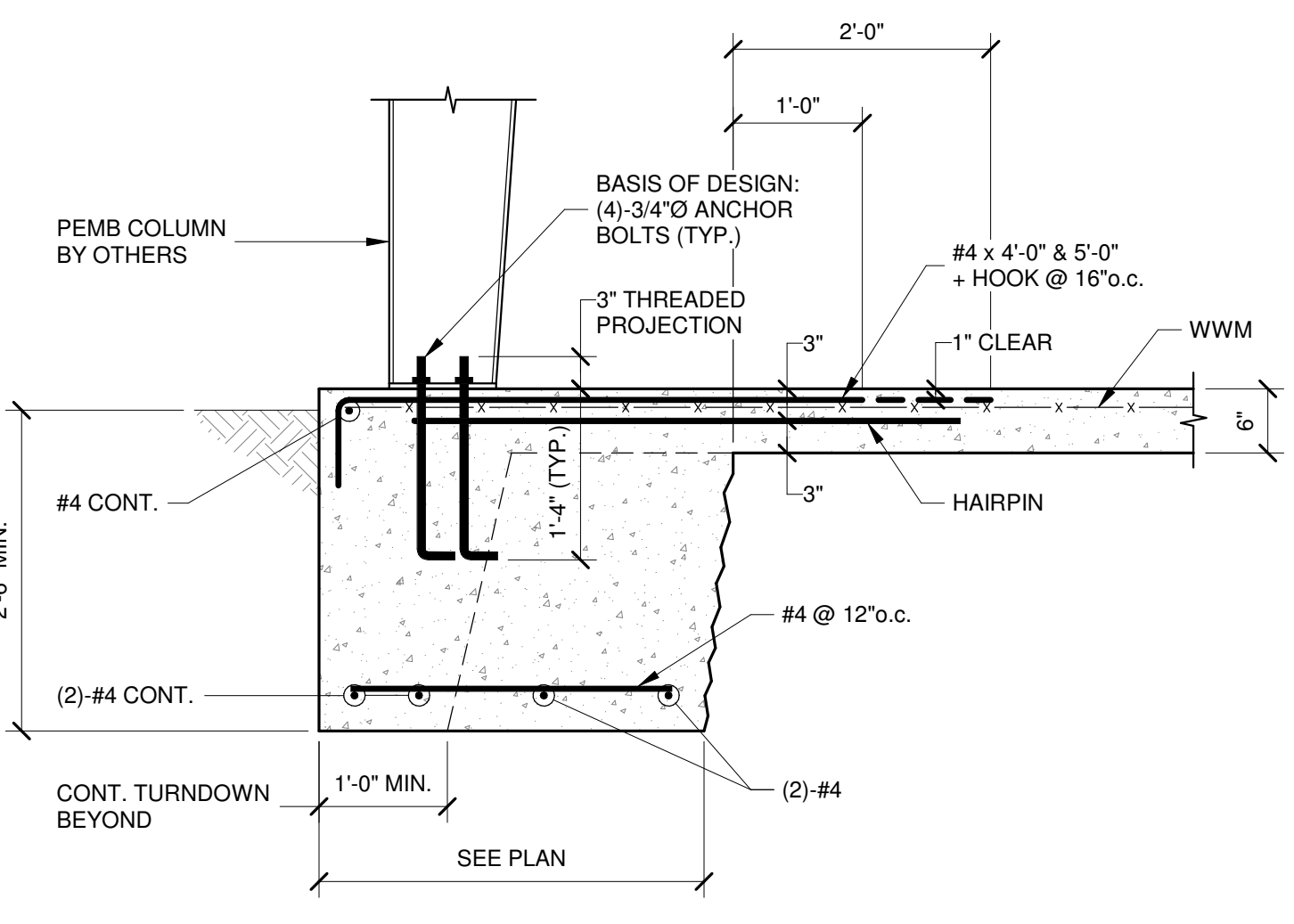
12/20/2019 4:46:38 PM
 MPM #18255



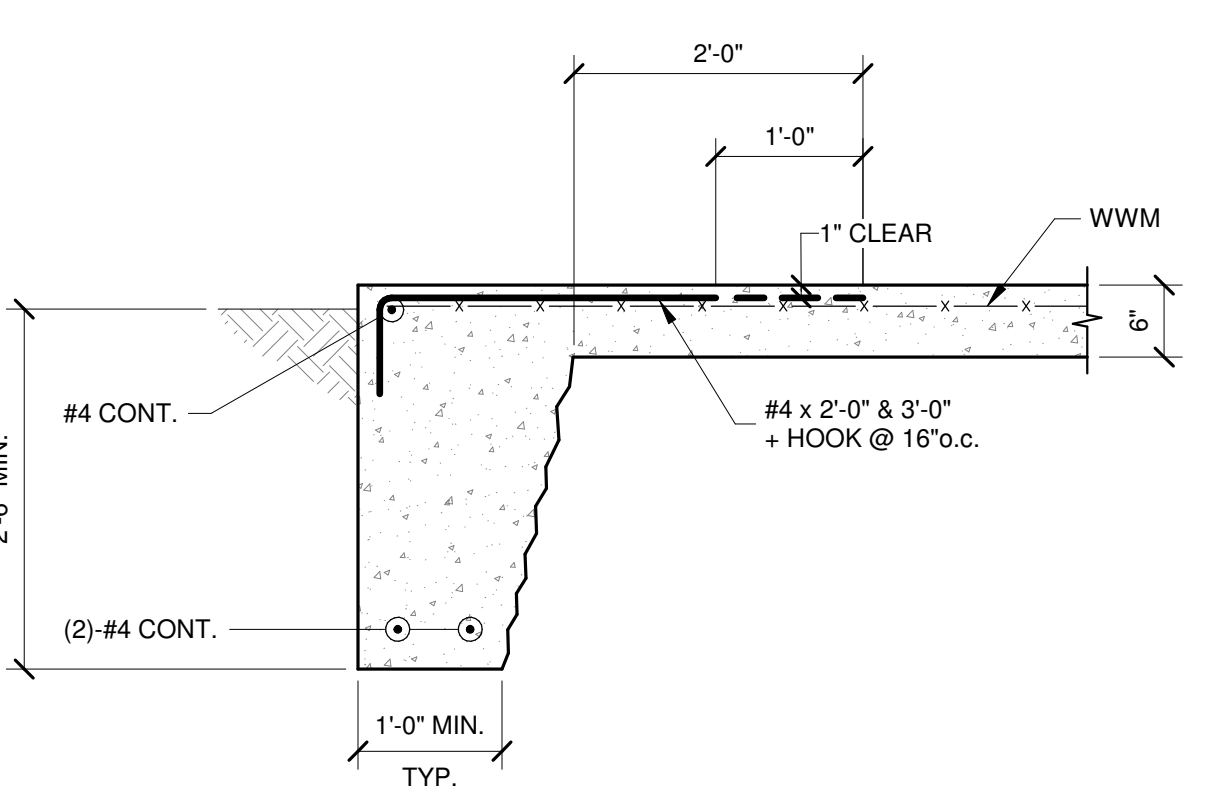
WOOD FRAMED BARN

BARN FOUNDATION/ FIRST FLOOR PLAN

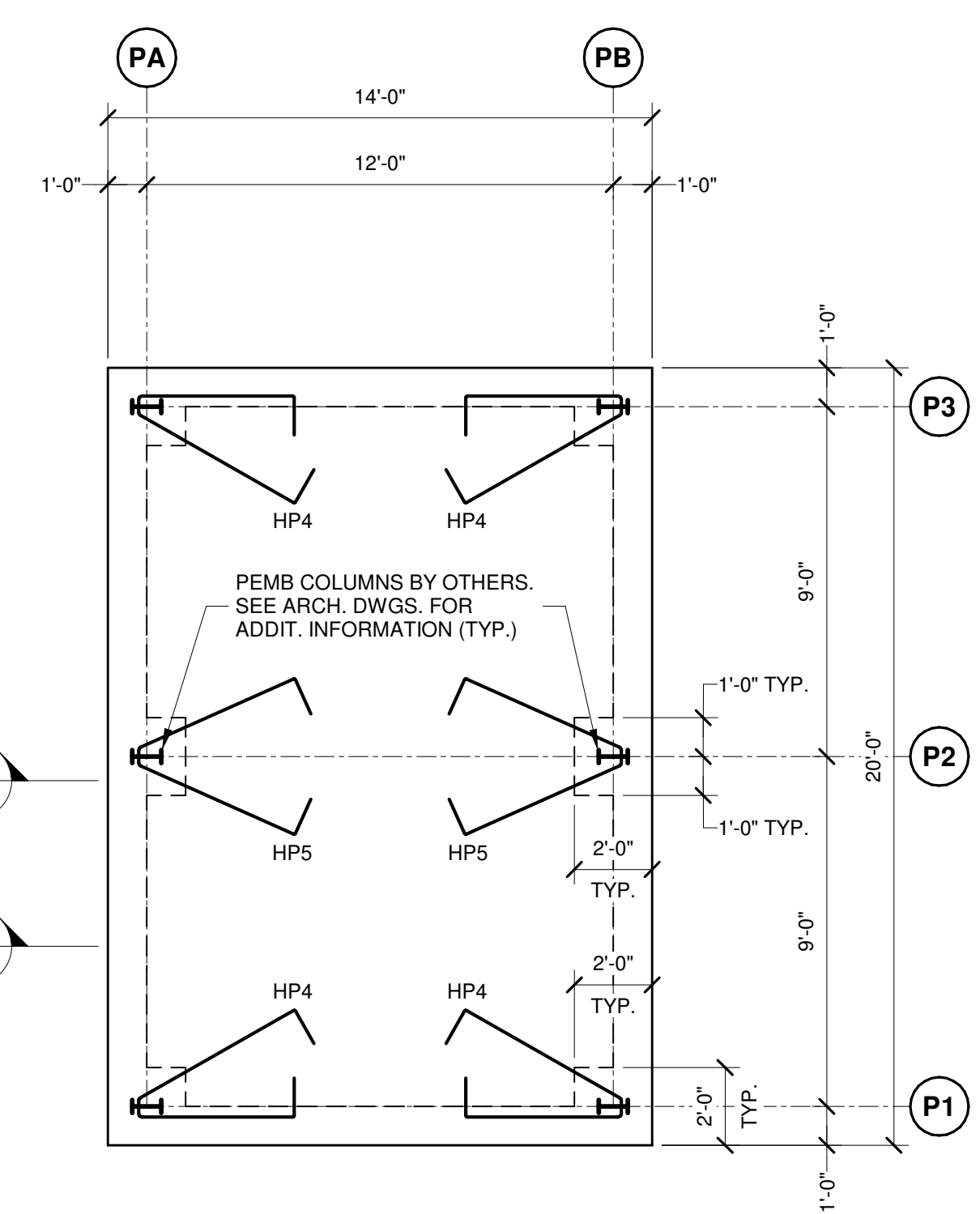
- UNLESS OTHERWISE NOTED, SLAB ON-GRADE TO BE 6" MINIMUM THICK CONCRETE SLAB w/ 6x6x6 WWM ON SEAMLESS 10 MIL. POLYETHYLENE VAPOR BARRIER OVER 6" MINIMUM THICK CRUSHED STONE OR WASHED GRAVEL OVER A PROPERLY PREPARED SUBGRADE.
- TOP OF SLAB ON-GRADE ELEVATION EQUALS DATUM ELEVATION 0'-0" UNLESS OTHERWISE NOTED -X" AS REFERENCED FROM DATUM ELEVATION 0'-0".
- SLAB JOINT LOCATIONS INDICATED ON THIS PLAN ARE CONCEPTUAL ONLY AND IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR PREFERRED JOINT PATTERNS. SUBMIT PROPOSED JOINT LAYOUT FOR A/E REVIEW. IN GENERAL, JOINTS SHALL BE NO GREATER THAN 21'-0" MAX. IN ANY DIRECTION AND SHALL BE AS SQUARE AS PRACTICAL. SEE DETAIL A/S301.
- REFER TO GENERAL NOTES ON S201 FOR GENERAL STRUCTURAL DESIGN CRITERIA FOR THE WOOD FRAMED SUPERSTRUCTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND CRITERIA.



SECTION 2/S105 3/4" = 1'-0"



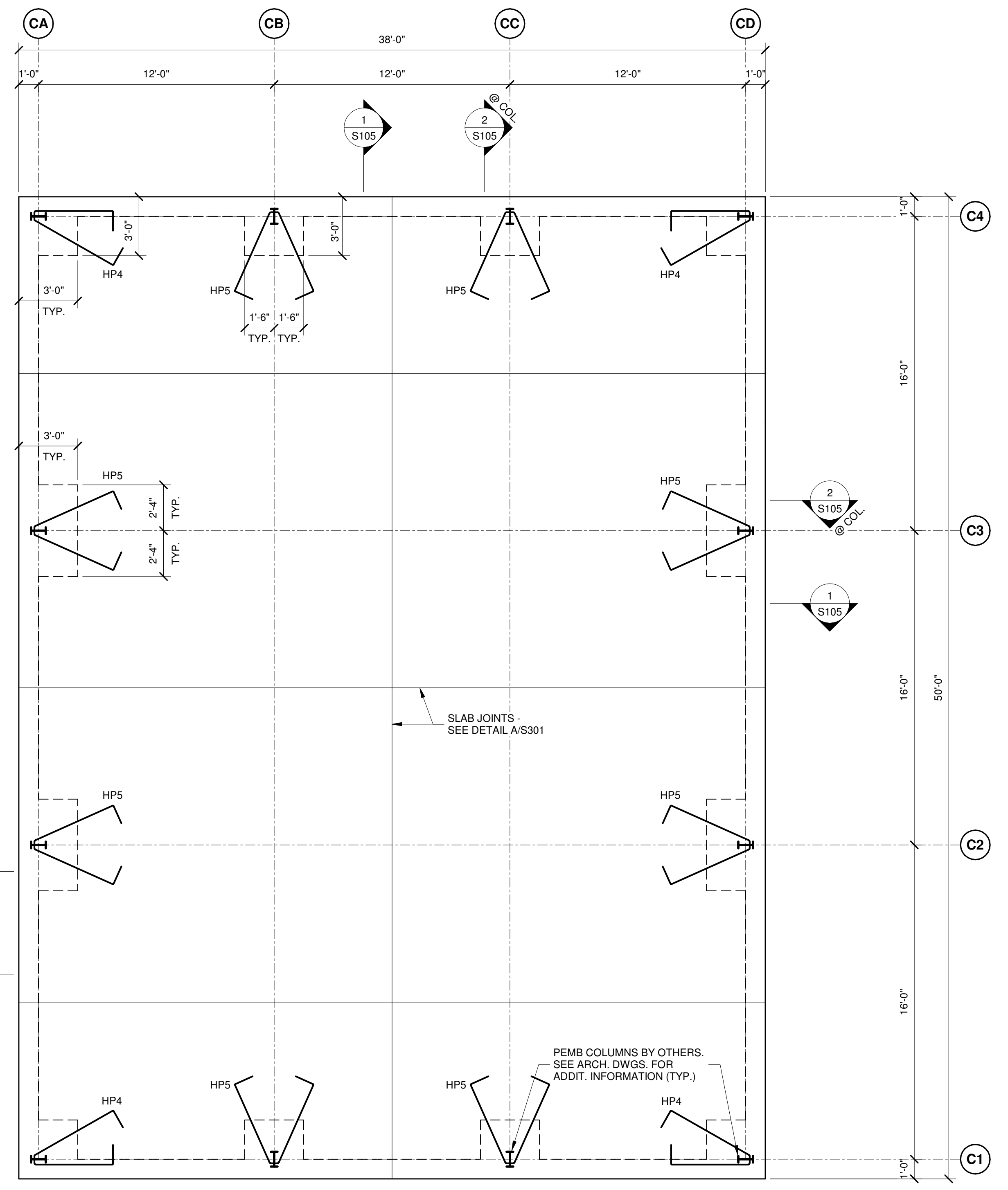
SECTION 1/S105 3/4" = 1'-0"



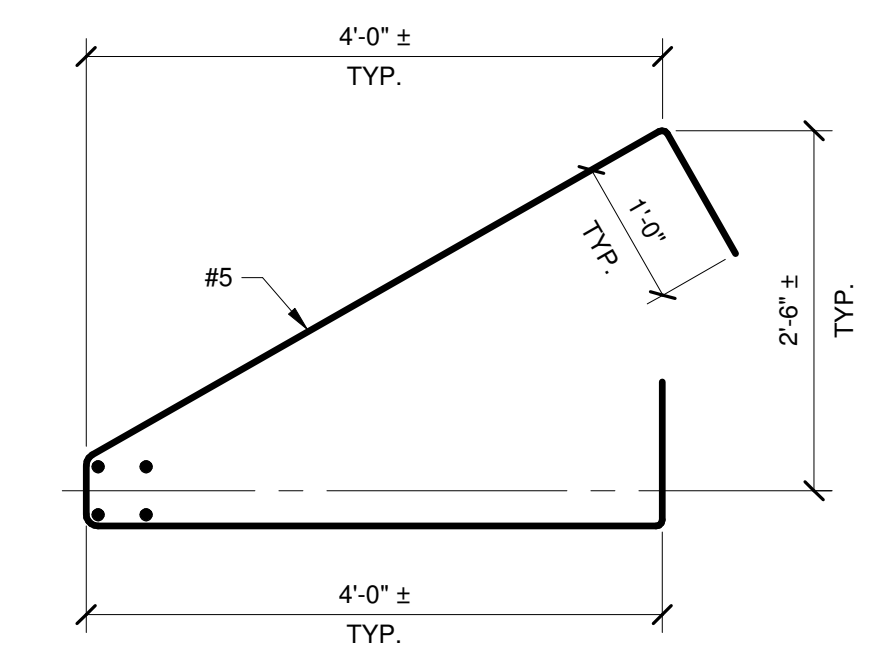
PEMB PAVILION

CARPORT AND PAVILION FOUNDATION/ FIRST FLOOR PLAN

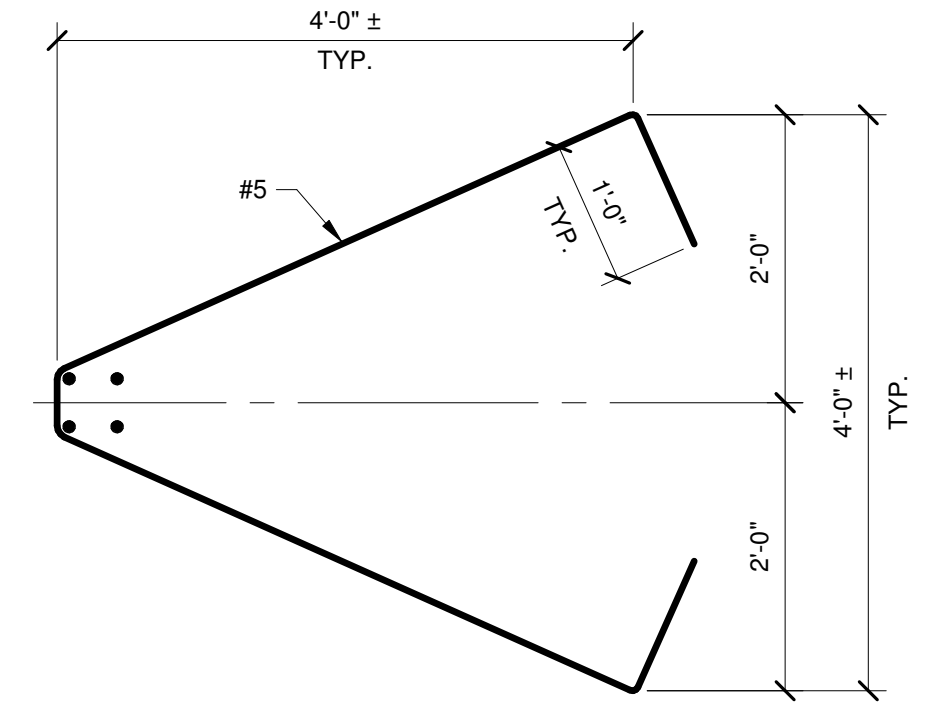
- UNLESS OTHERWISE NOTED, SLAB ON-GRADE TO BE 6" MINIMUM THICK CONCRETE SLAB w/ 6x6x6 WWM ON SEAMLESS 10 MIL. POLYETHYLENE VAPOR BARRIER OVER 6" MINIMUM THICK CRUSHED STONE OR WASHED GRAVEL OVER A PROPERLY PREPARED SUBGRADE.
- TOP OF SLAB ON-GRADE ELEVATION EQUALS DATUM ELEVATION 0'-0" UNLESS OTHERWISE NOTED -X" AS REFERENCED FROM DATUM ELEVATION 0'-0".
- SLAB JOINT LOCATIONS INDICATED ON THIS PLAN ARE CONCEPTUAL ONLY AND IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR PREFERRED JOINT PATTERNS. SUBMIT PROPOSED JOINT LAYOUT FOR A/E REVIEW. IN GENERAL, JOINTS SHALL BE NO GREATER THAN 21'-0" MAX. IN ANY DIRECTION AND SHALL BE AS SQUARE AS PRACTICAL. SEE DETAIL A/S301.
- REFER TO GENERAL NOTES ON S201 FOR GENERAL STRUCTURAL DESIGN CRITERIA FOR THE PRE-ENGINEERED METAL BUILDING SUPERSTRUCTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND CRITERIA.



PEMB CARPORT



HAIRPIN HP4



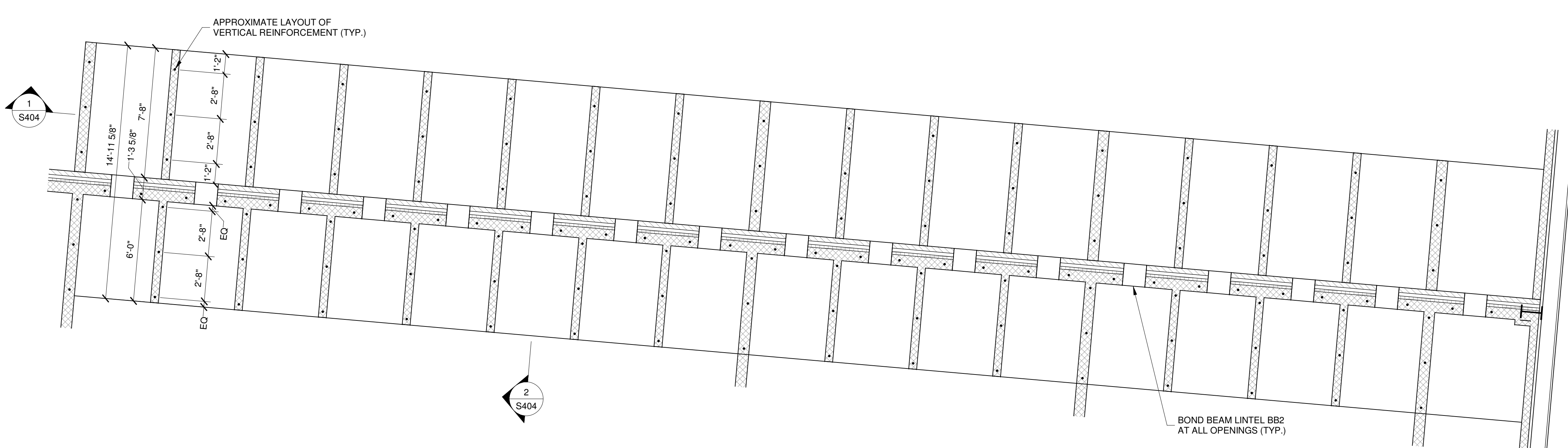
HAIRPIN HP5

SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 13729
EXPIRATION DATE: 12/31/2021

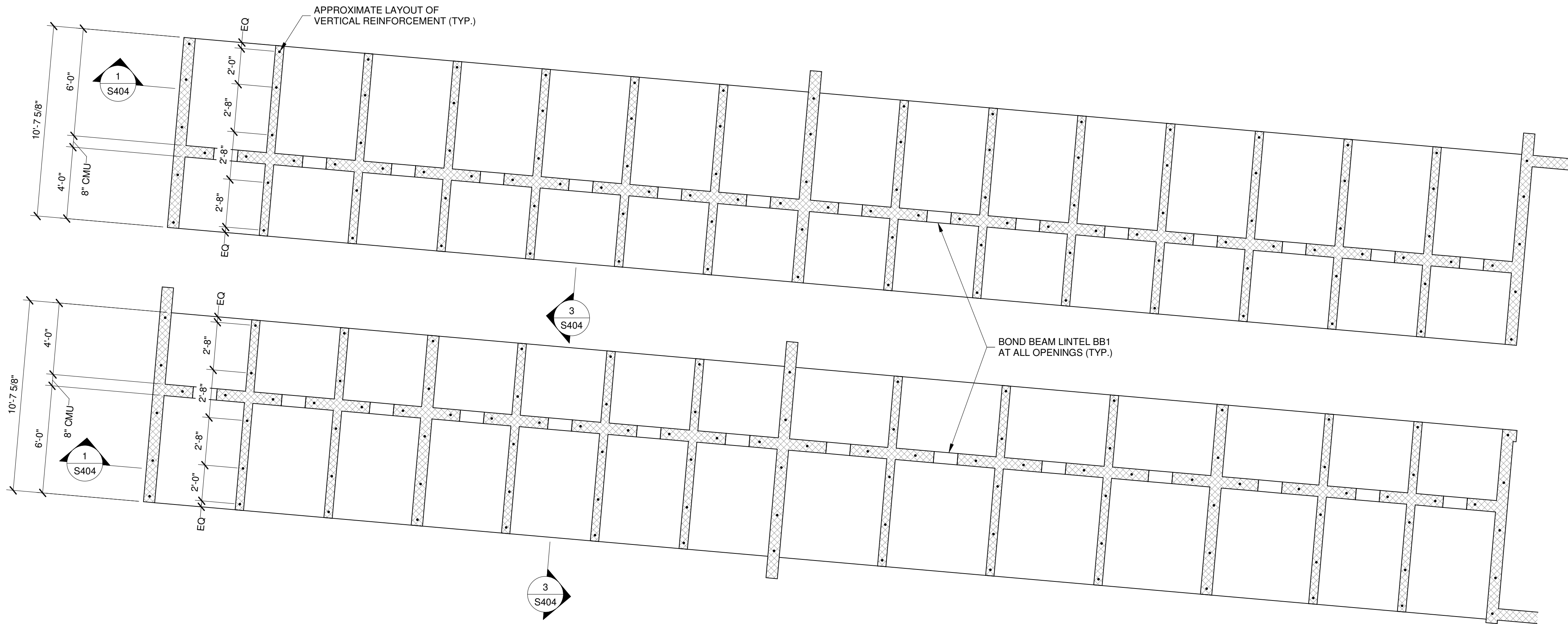
CONSULTANT:
MANN
WOODWARD
STUDIOS
ARCHITECTURE + MASTER PLANNING
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

CHARLES COUNTY
CHARLES COUNTY ANIMAL SHELTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

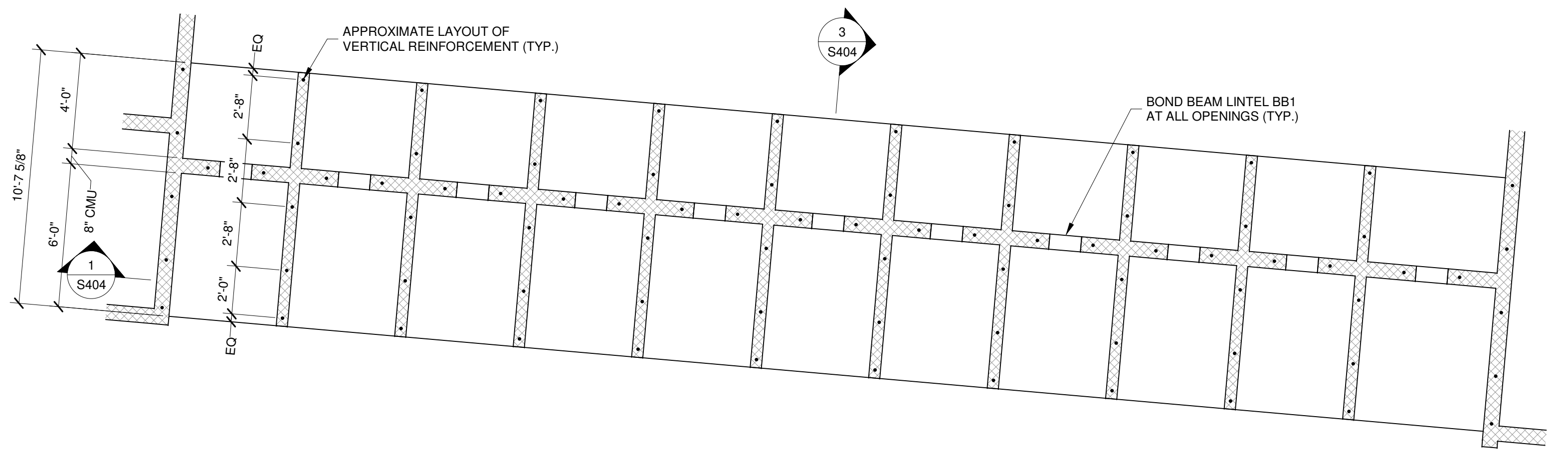
NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT	PERMIT	
DATE	12/23/2019	
DRAWING	ENLARGED PLANS	
SHEET	S106	



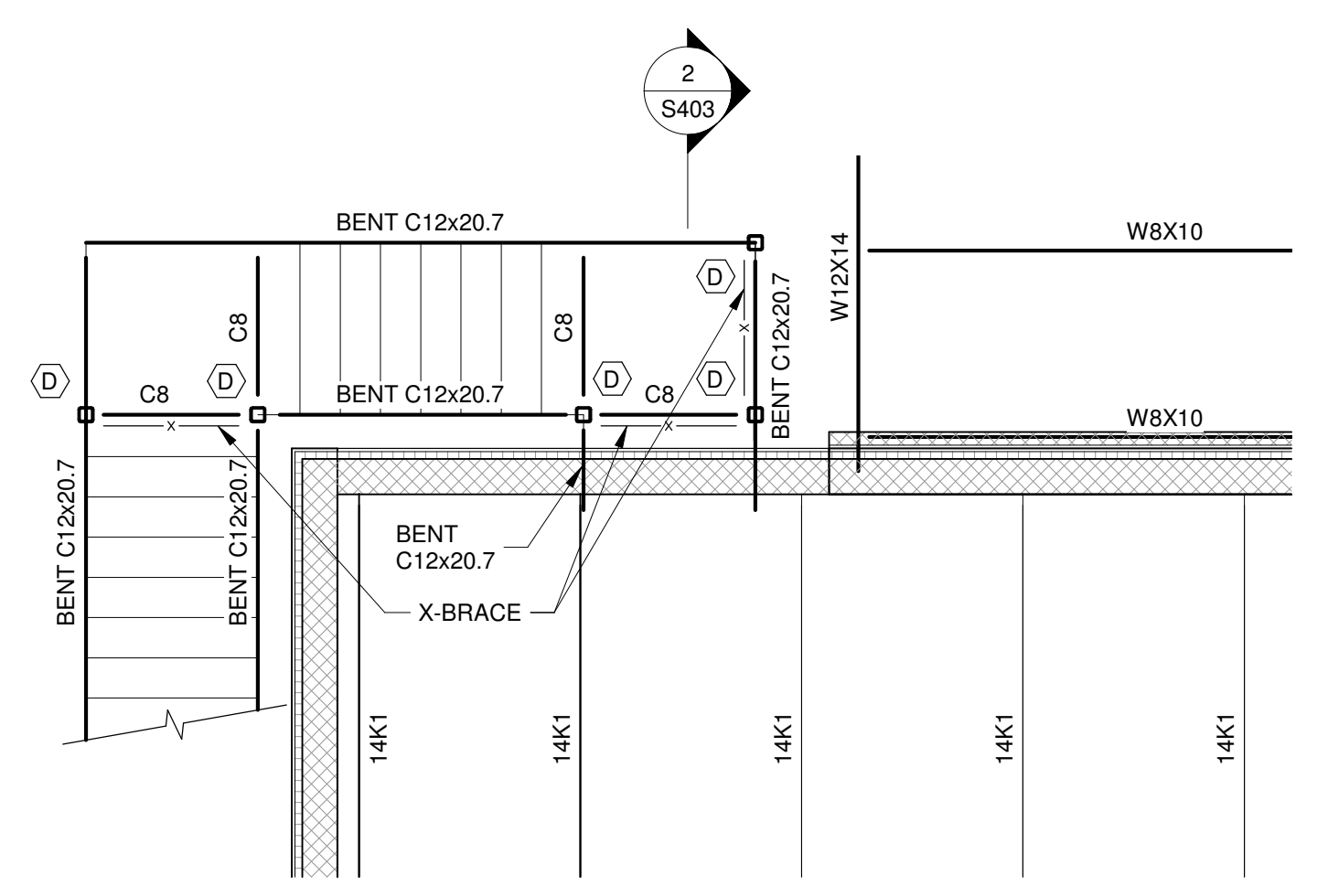
(PLAN) DETAIL
A
S106
1/4" = 1'-0"
ENLARGED PLAN AT INDOOR/OUTDOOR DOG RUNS
SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS



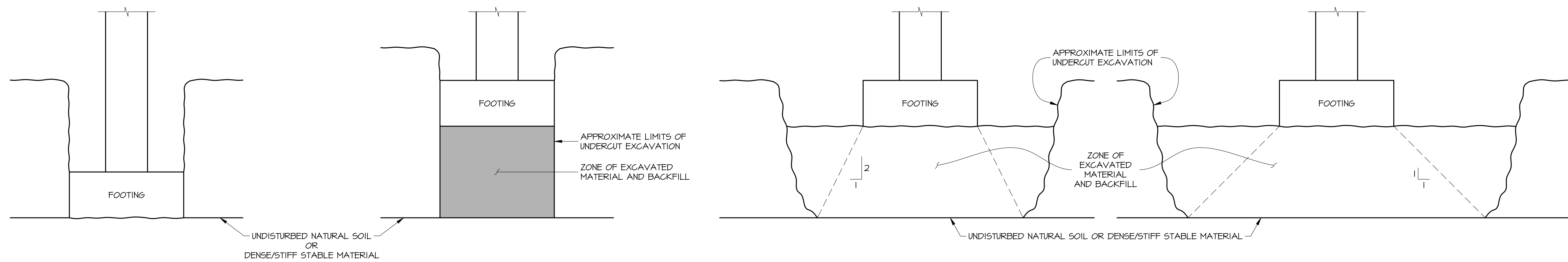
(PLAN) DETAIL
B
S106
1/4" = 1'-0"
ENLARGED PLAN AT ADOPTABLE DOG RUNS
SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS



(PLAN) DETAIL
1
S106
1/4" = 1'-0"
ENLARGED PLAN AT STRAY DOG RUNS
SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS



(PLAN) DETAIL
C
S106
1/4" = 1'-0"
EXTERIOR ROOF ACCESS STAIR
SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS
ALL EXTERIOR EXPOSED STEEL TO BE GALVANIZED



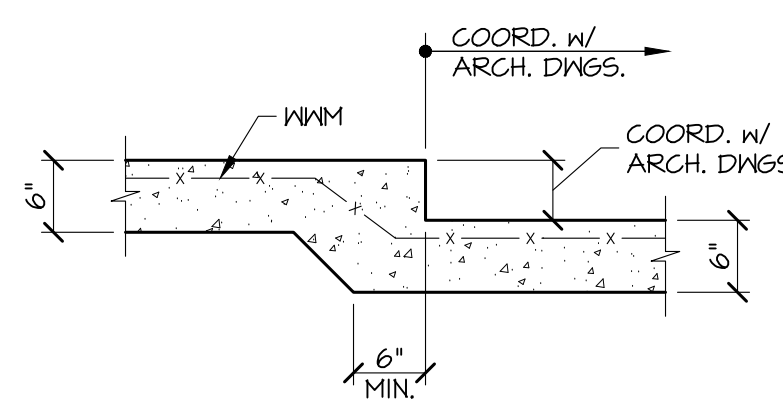
A. NO BACKFILL; FOOTING BEARING ON NEARLY EXPOSED STABLE MATERIAL

B. EXCAVATION BACKFILLED WITH LEAN CONCRETE OR FLOWABLE FILL

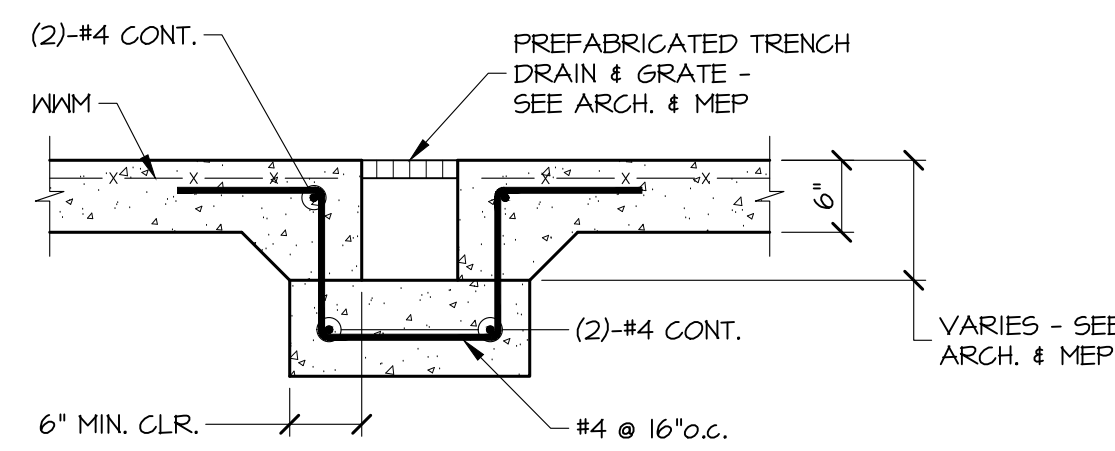
C. EXCAVATION BACKFILLED WITH GRANULAR MATER (CR-6)

D. EXCAVATION BACKFILLED WITH ENGINEERED SOIL FILL.

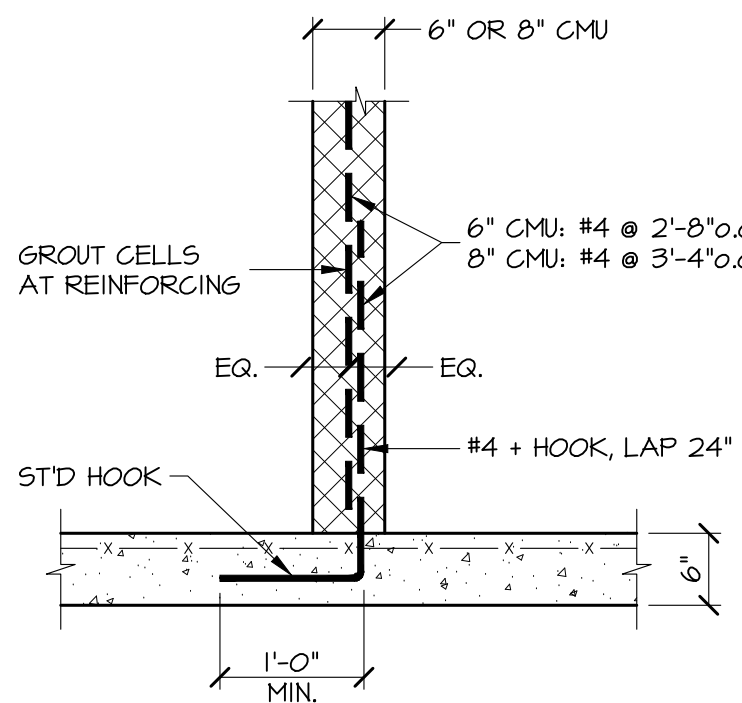
DETAIL T 3/4"=1'-0" TYPICAL UNDERCUT FOOTING DIAGRAMS



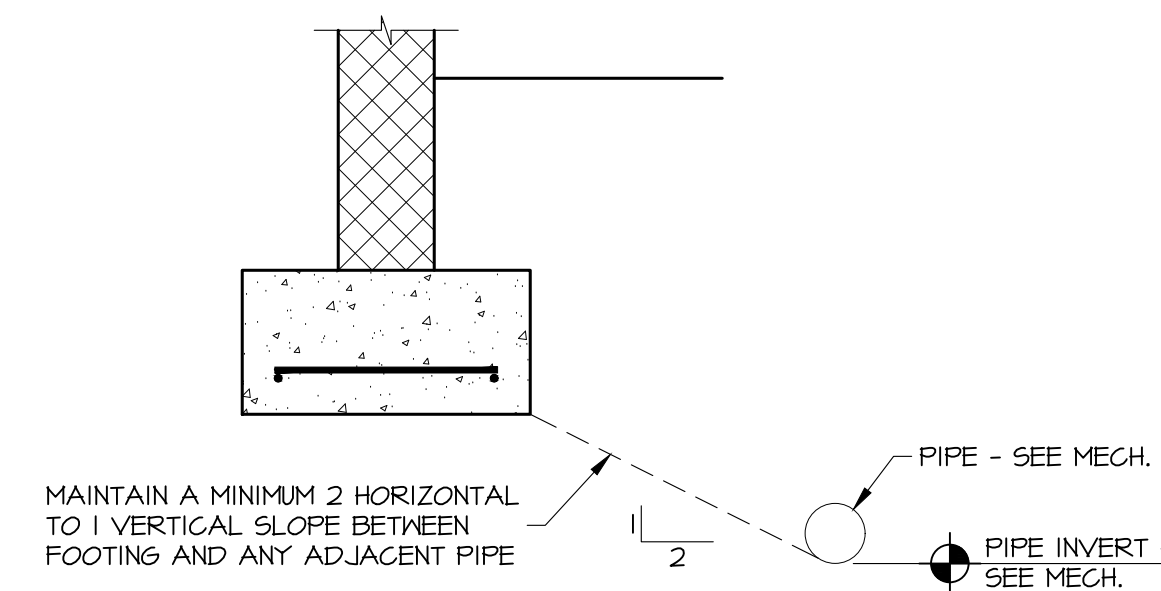
DETAIL M 3/4"=1'-0" TYPICAL SLAB DEPRESSION. COORDINATE NUMBER REQUIRED, LOCATION, SIZE, AND DEPTH W/ ARCHITECTURAL DRAWINGS.



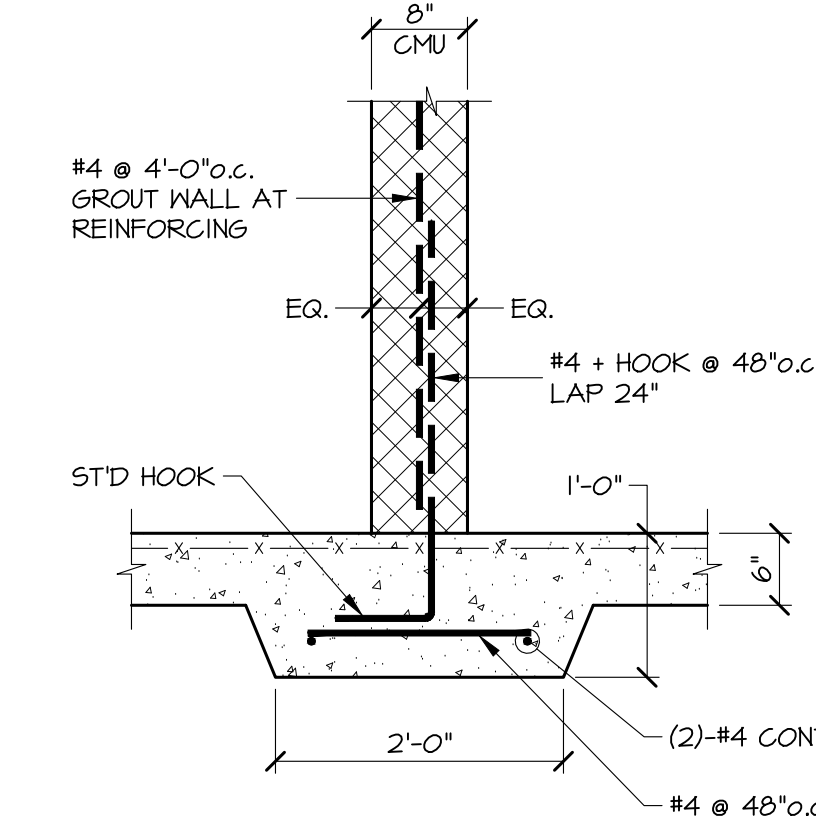
DETAIL N 3/4"=1'-0" TYPICAL PRE-FABRICATED TRENCH DRAIN. COORDINATE W/ ARCHITECTURAL AND MEP DRAWINGS.



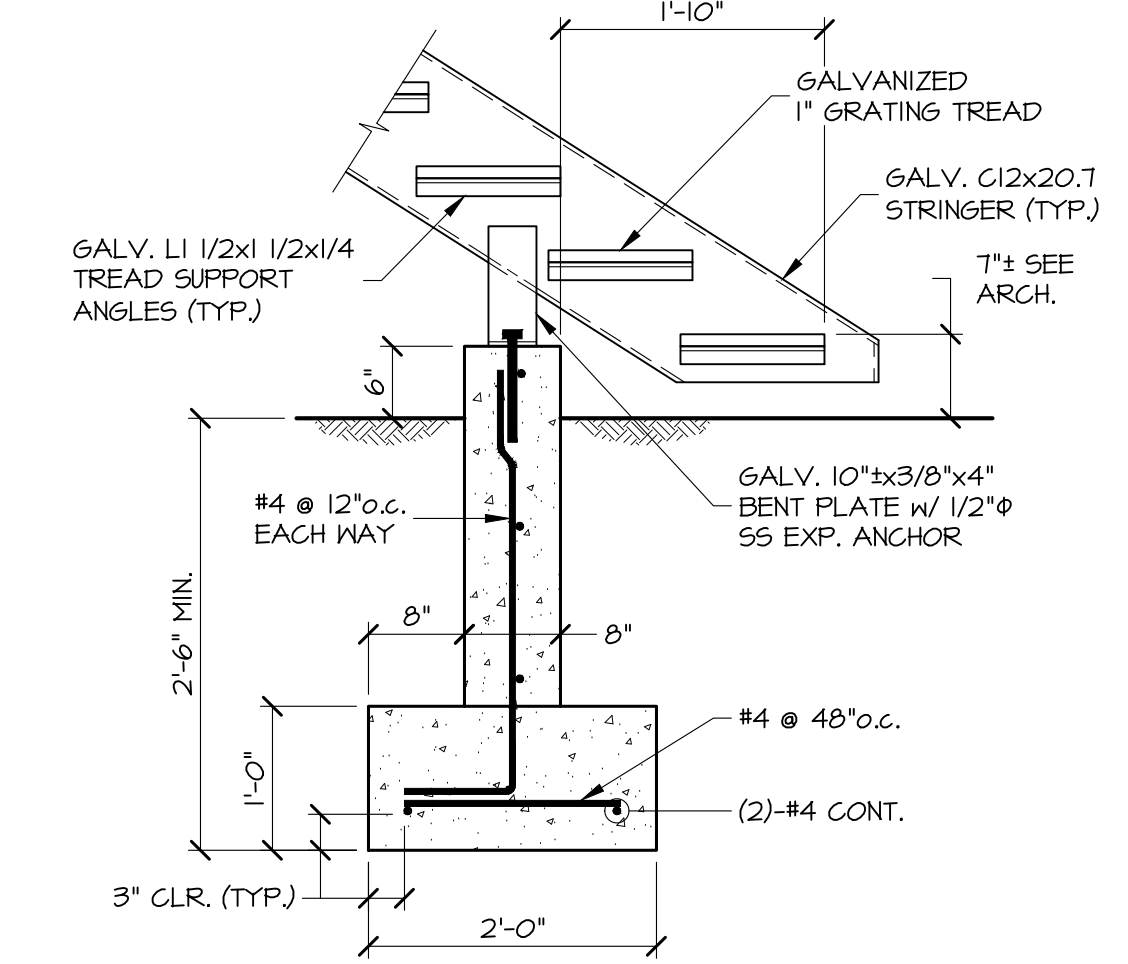
DETAIL P 3/4"=1'-0" TYPICAL PARTIAL HEIGHT, NON-BEARING CMU PARTITION



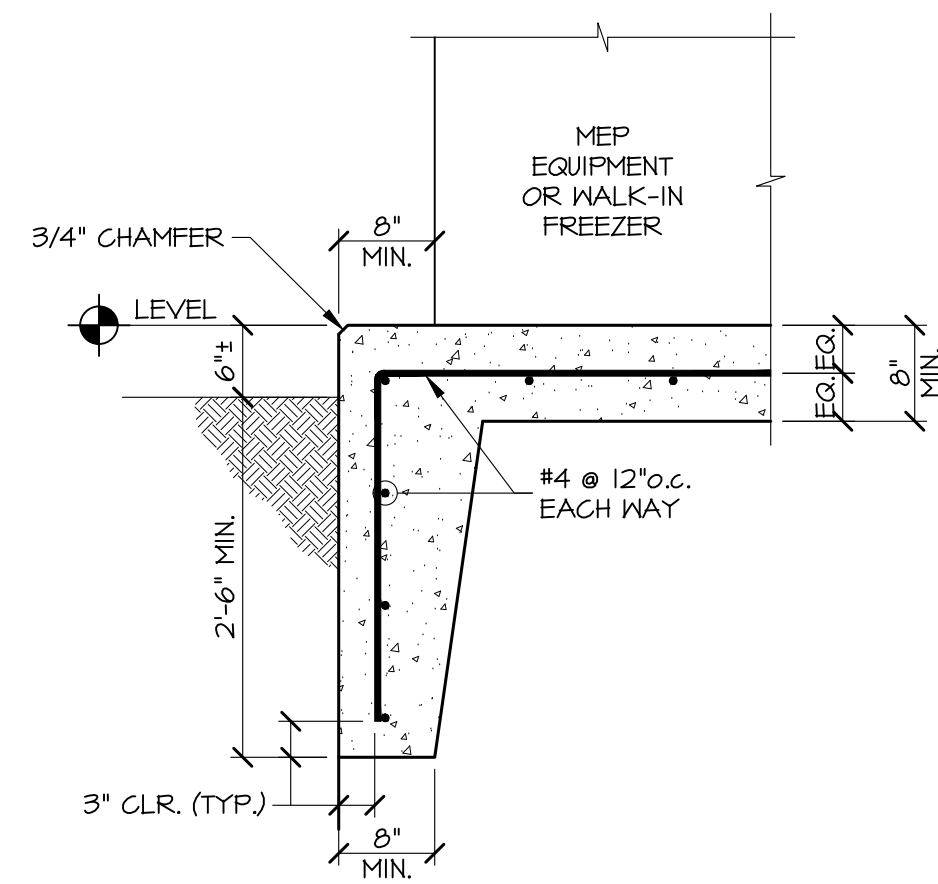
DETAIL Q 3/4"=1'-0" TYPICAL PIPE POSITION RELATIVE TO FOOTING. LOWER FOOTING PER DETAIL C/S31 IF NECESSARY.



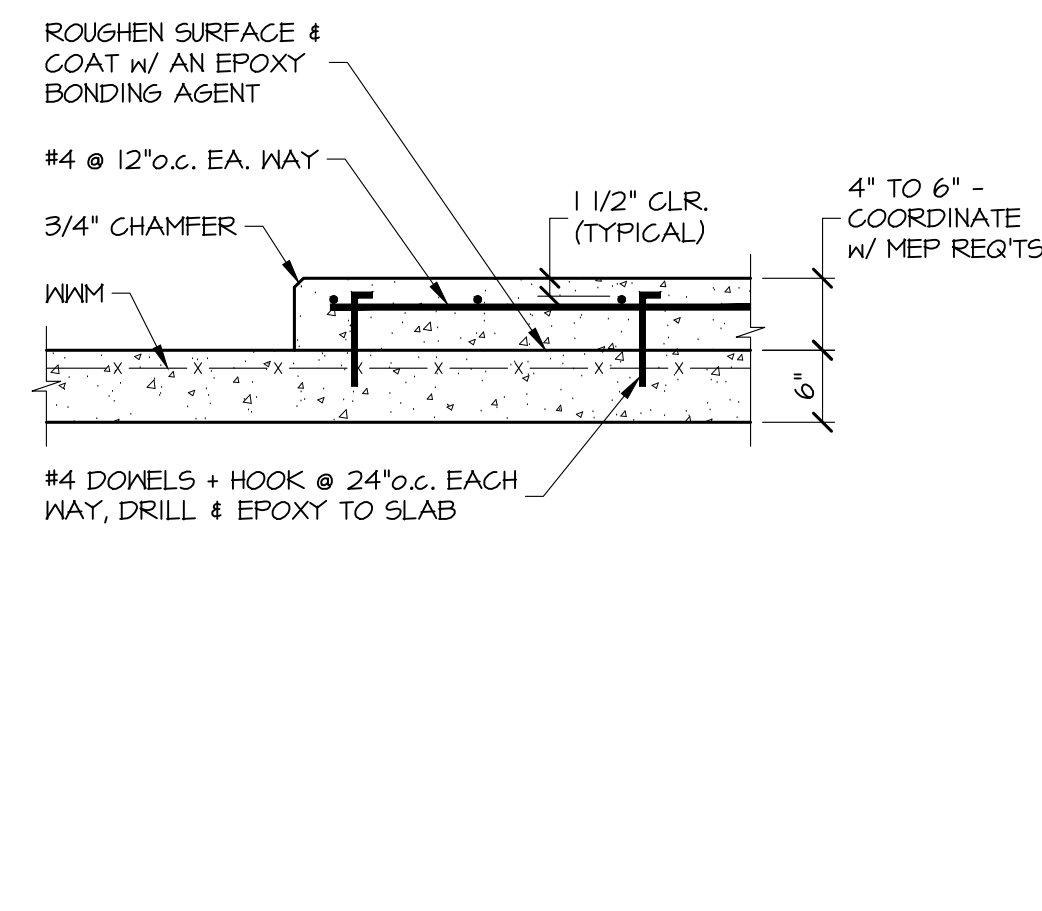
DETAIL R 3/4"=1'-0" TYPICAL FILL HEIGHT 8\"/>



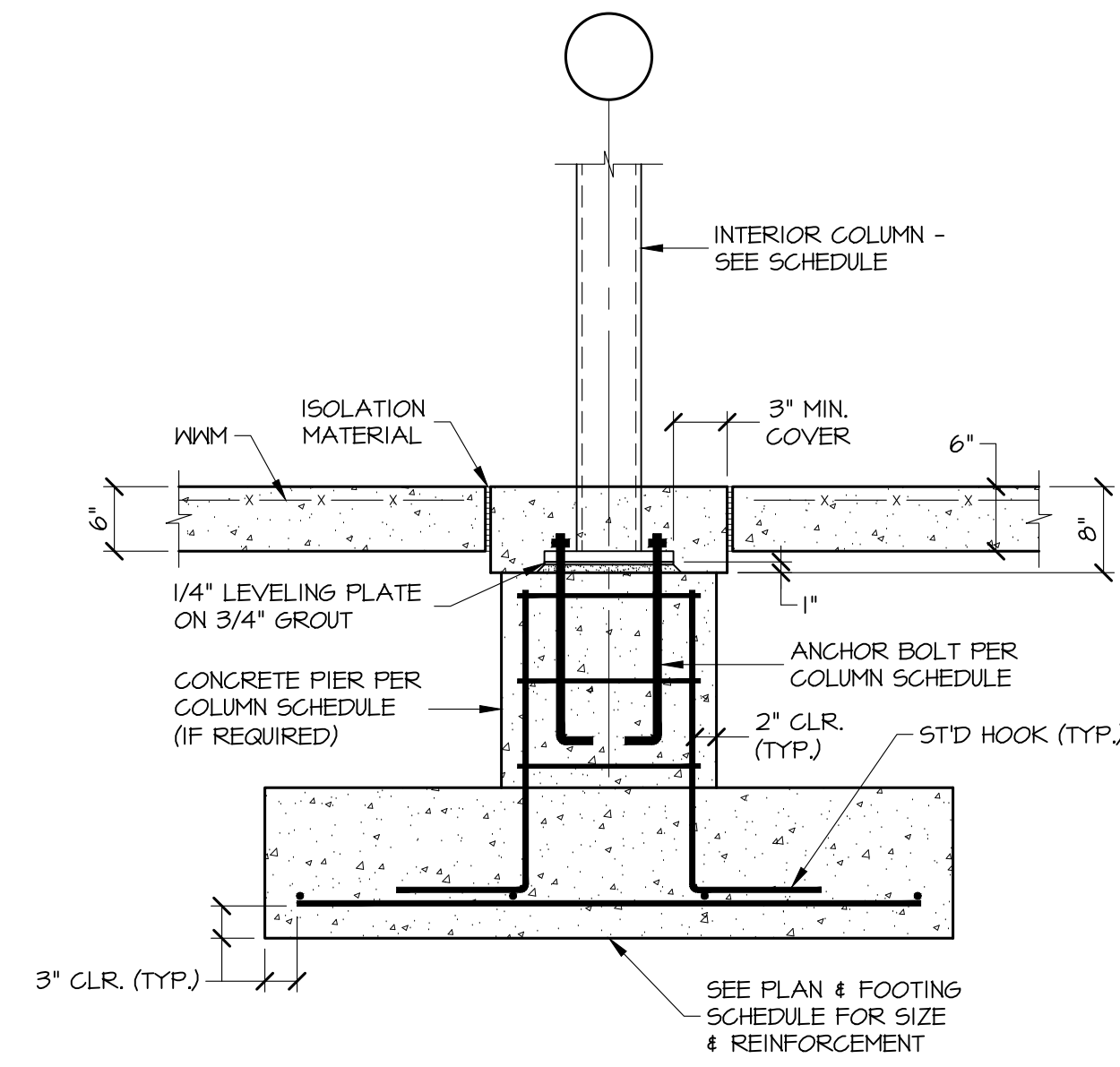
DETAIL S 3/4"=1'-0" BASE OF EXTERIOR STEEL STAIR



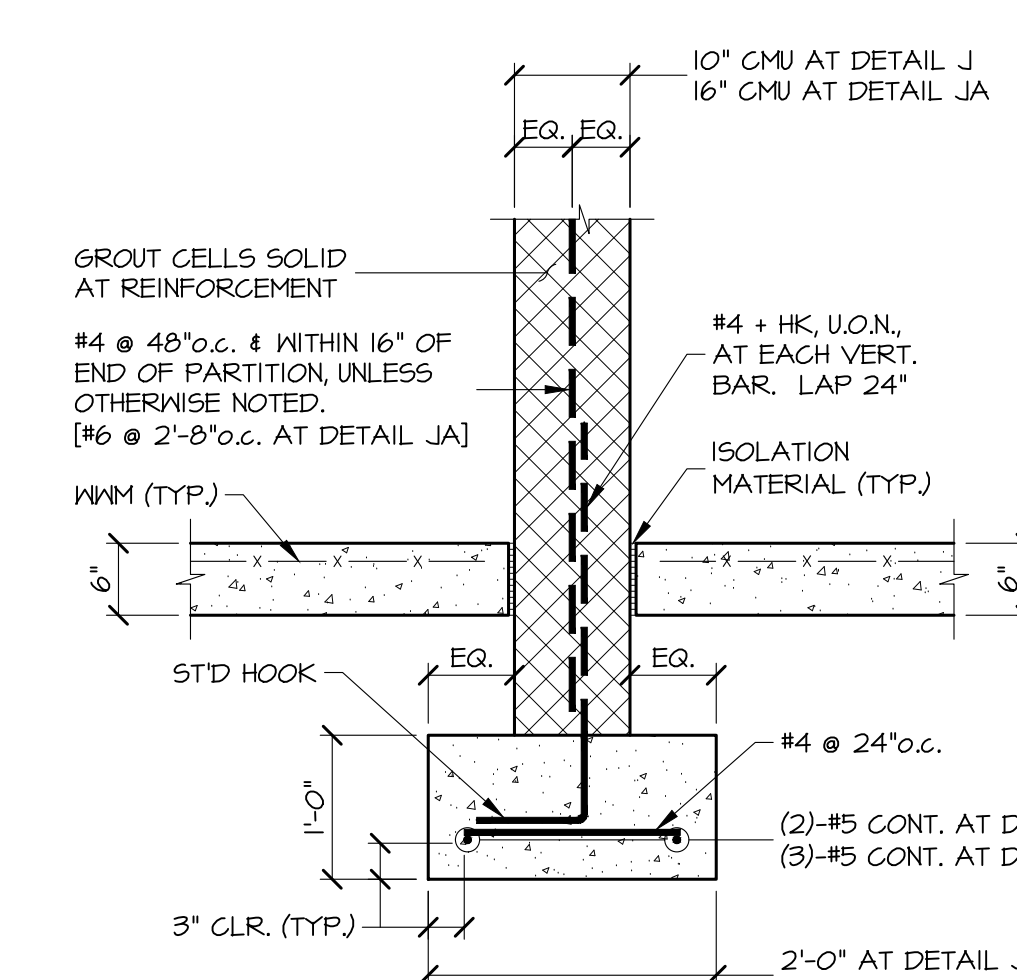
DETAIL F 3/4"=1'-0" TYPICAL EXTERIOR EQUIPMENT PAD. COORDINATE NUMBER REQUIRED, SIZE, AND LOCATIONS W/ ARCHITECTURAL AND MEP DRAWINGS AND EQUIPMENT TO BE SUPPLIED.



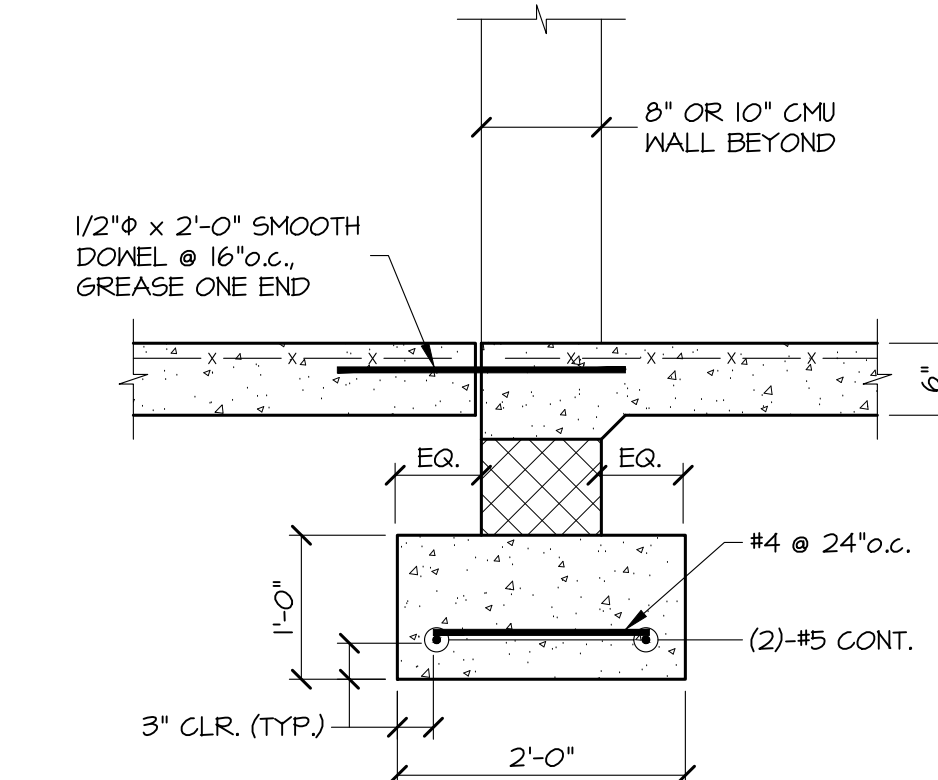
DETAIL G 3/4"=1'-0" TYPICAL INTERIOR EQUIPMENT PAD. COORDINATE NUMBER REQUIRED, SIZE, AND LOCATION W/ MEP DRAWINGS.



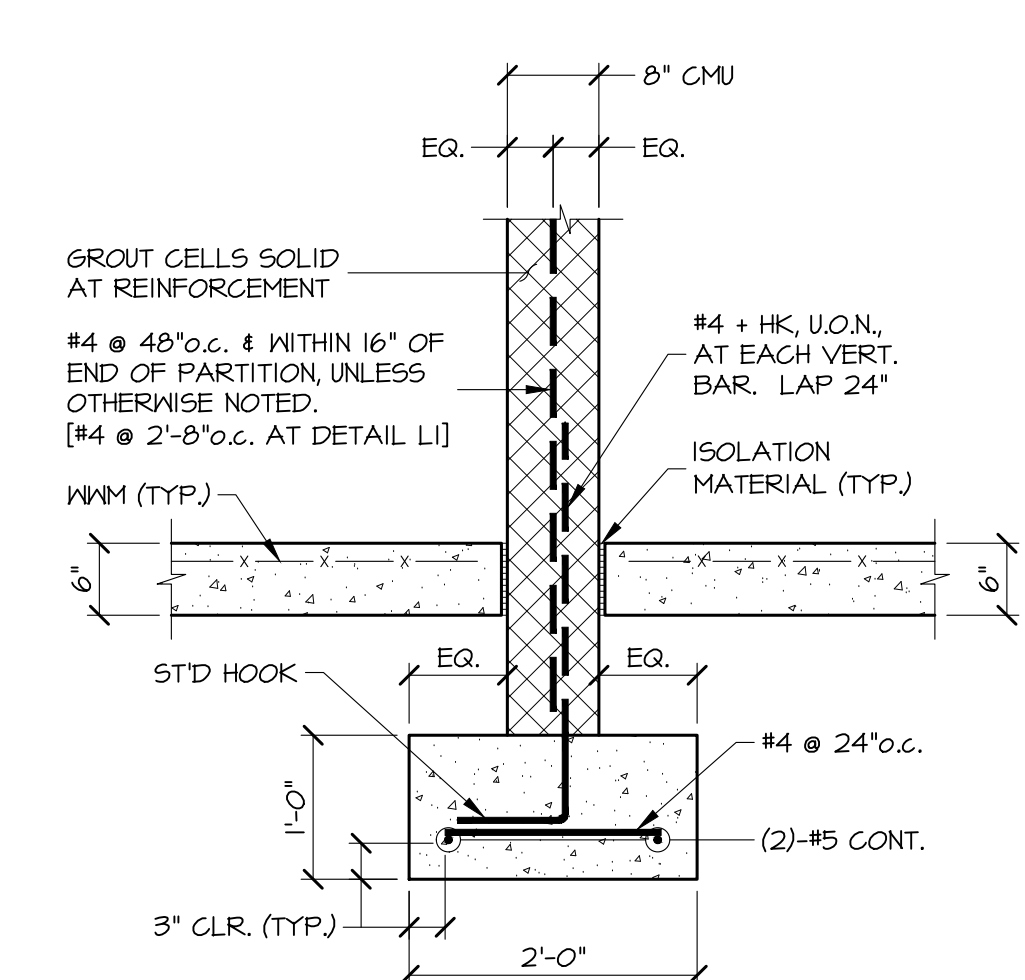
DETAIL H 3/4"=1'-0" TYPICAL INTERIOR COLUMN BASE AND FOOTING AT INTERIOR COLUMNS



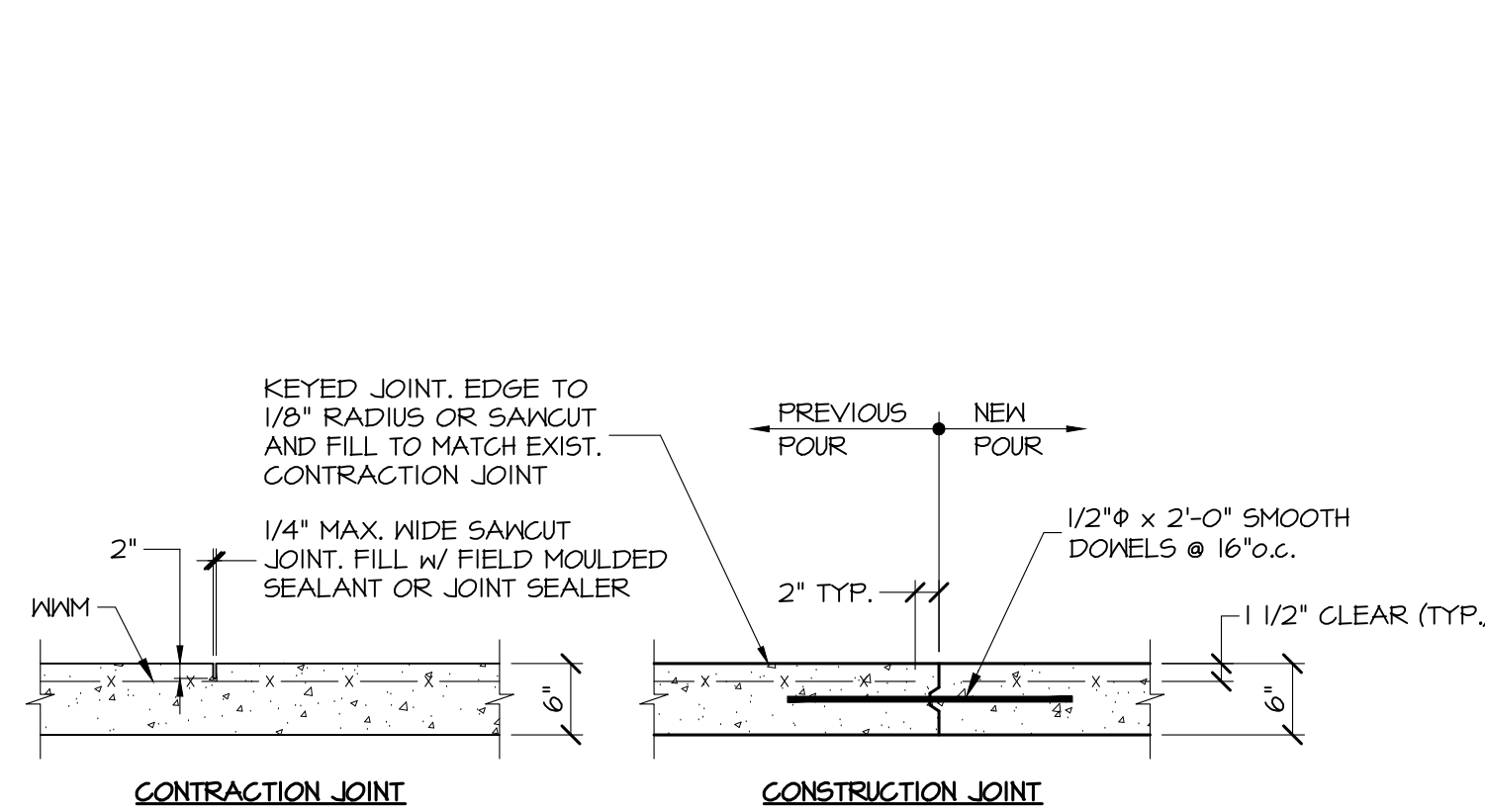
DETAIL JA 3/4"=1'-0" TYPICAL INTERIOR 10\"/>



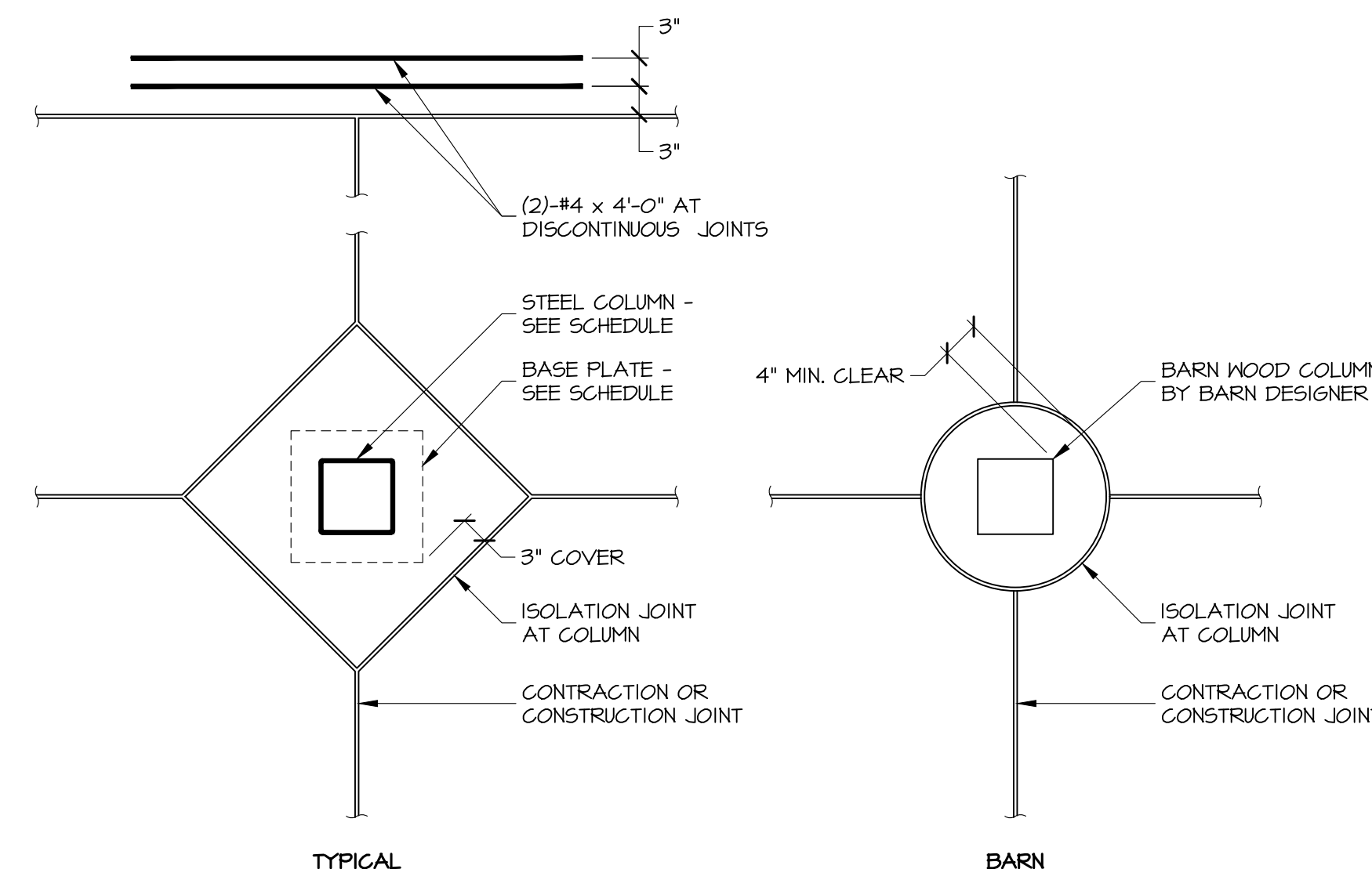
DETAIL K 3/4"=1'-0" TYPICAL SLAB CONDITION AT INTERIOR DOORWAY AT 8\"/>



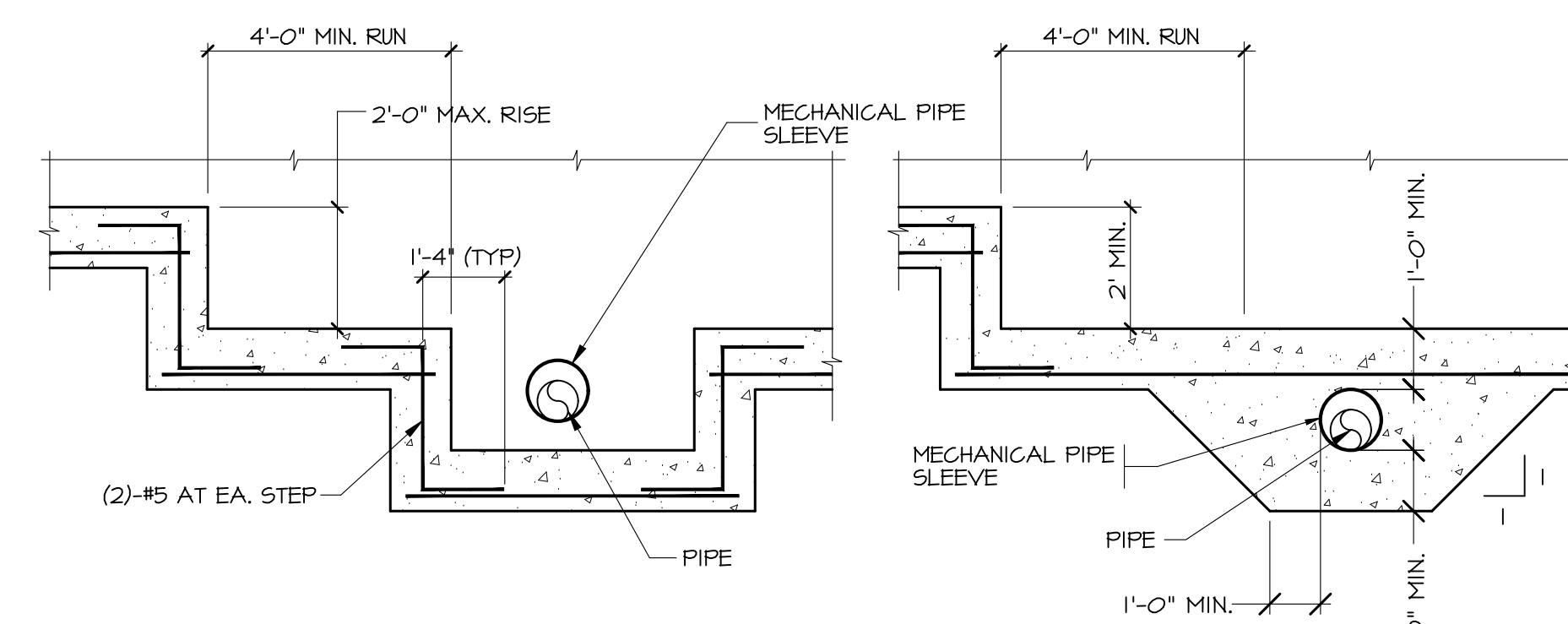
DETAIL L 3/4"=1'-0" TYPICAL INTERIOR 8\"/>



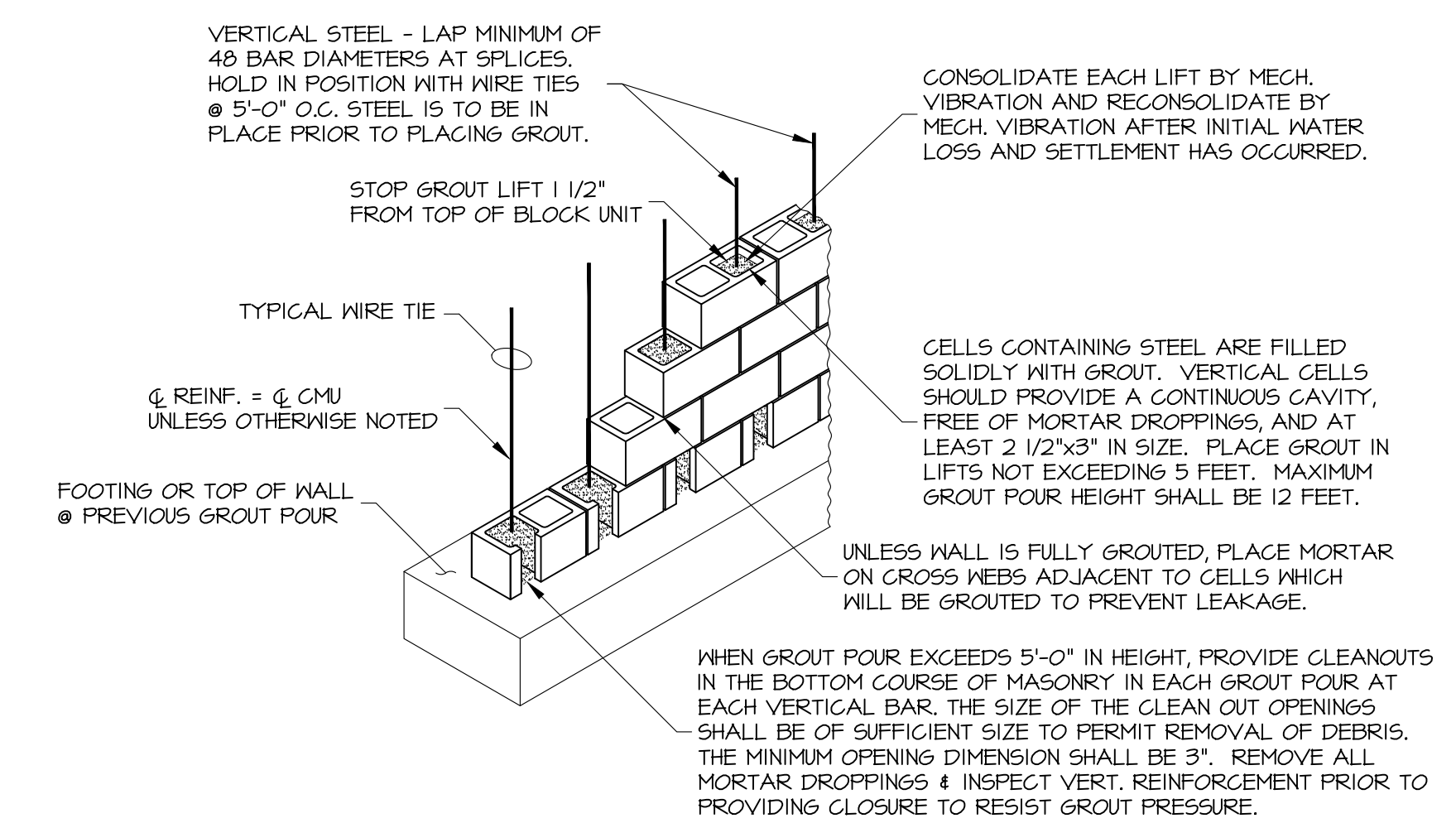
DETAIL A 3/4"=1'-0" TYPICAL SLAB JOINT DETAILS AT 6\"/>



DETAIL B 3/4"=1'-0" ISOLATION JOINT AT COLUMNS



DETAIL D N.T.S. TYPICAL STEPPED FOOTING

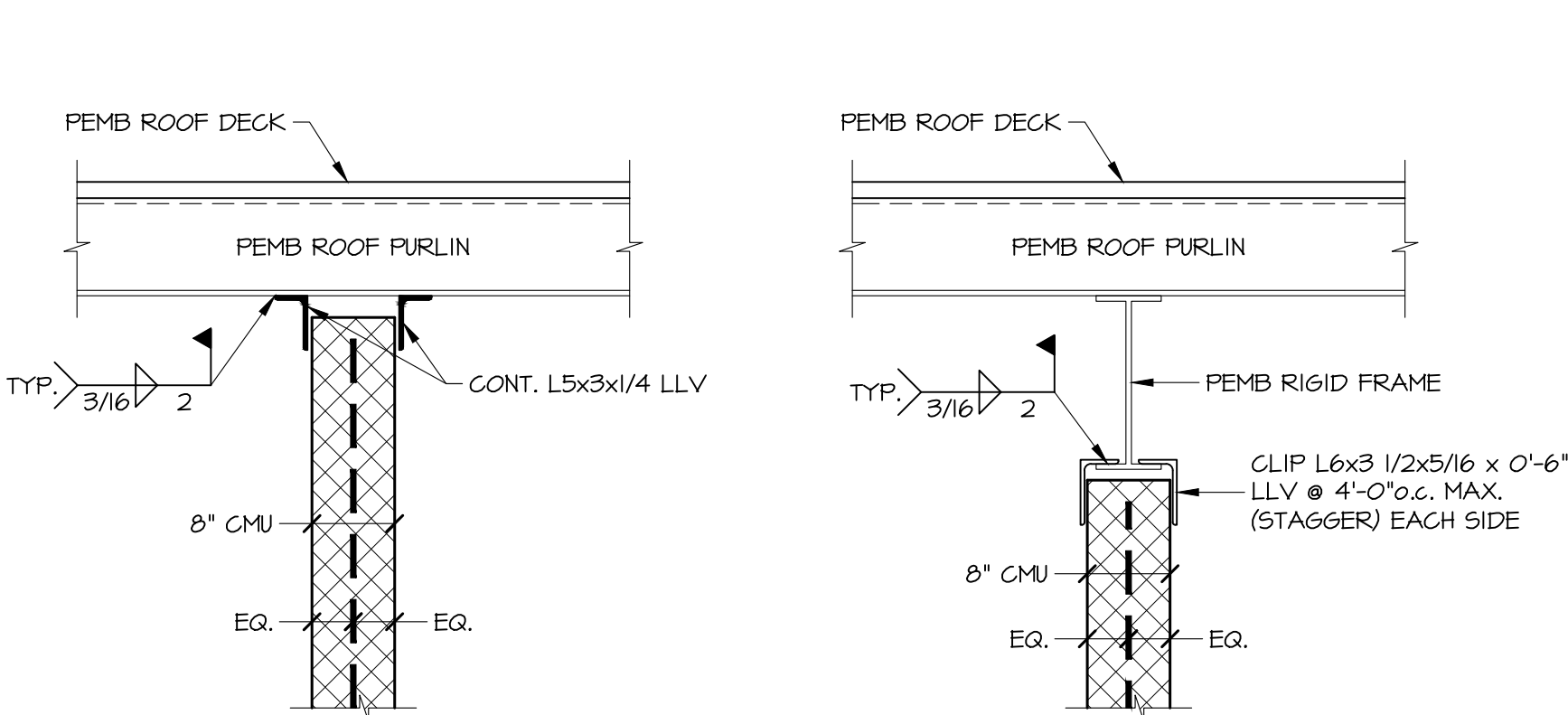


DETAIL E N.T.S. TYPICAL REINFORCED MASONRY CONSTRUCTION

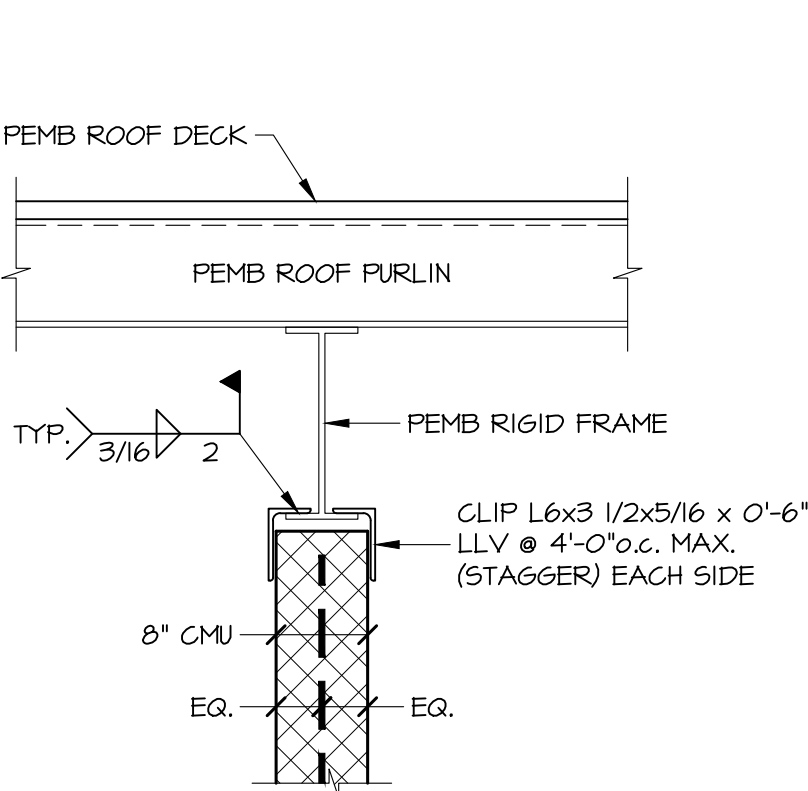
NO.	DESCRIPTION	DATE
PROJECT 18-034		
PROJECT PERMIT		
DATE 12/23/2019		

NO.	DESCRIPTION	DATE
PROJECT 18-034		
PROJECT PERMIT		
DATE 12/23/2019		

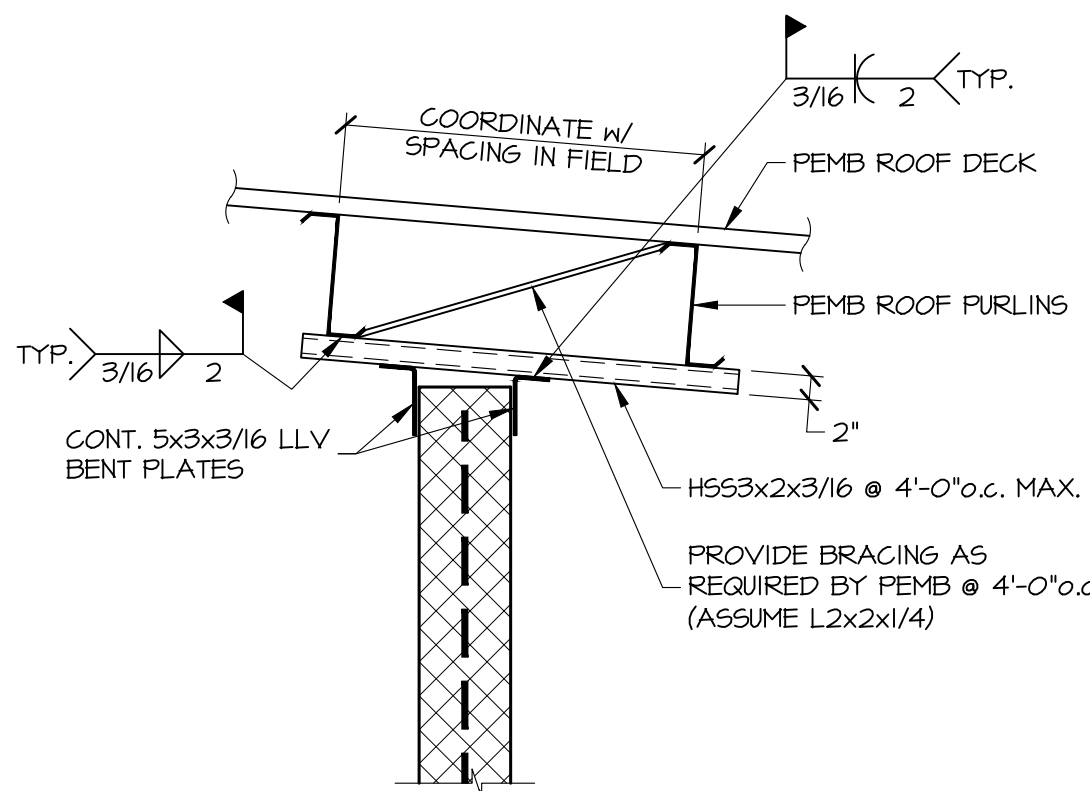
NO.	DESCRIPTION	DATE
PROJECT 18-034		
PROJECT PERMIT		
DATE 12/23/2019		



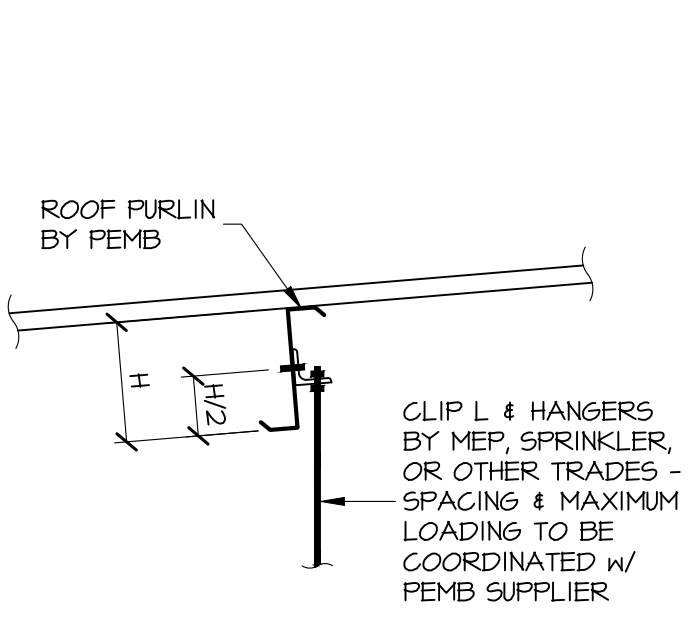
DETAIL S
3/4"=1'-0"
TYPICAL BRACING FOR FULL HEIGHT CMU PARTITIONS PERPENDICULAR TO PEMB PURLINS



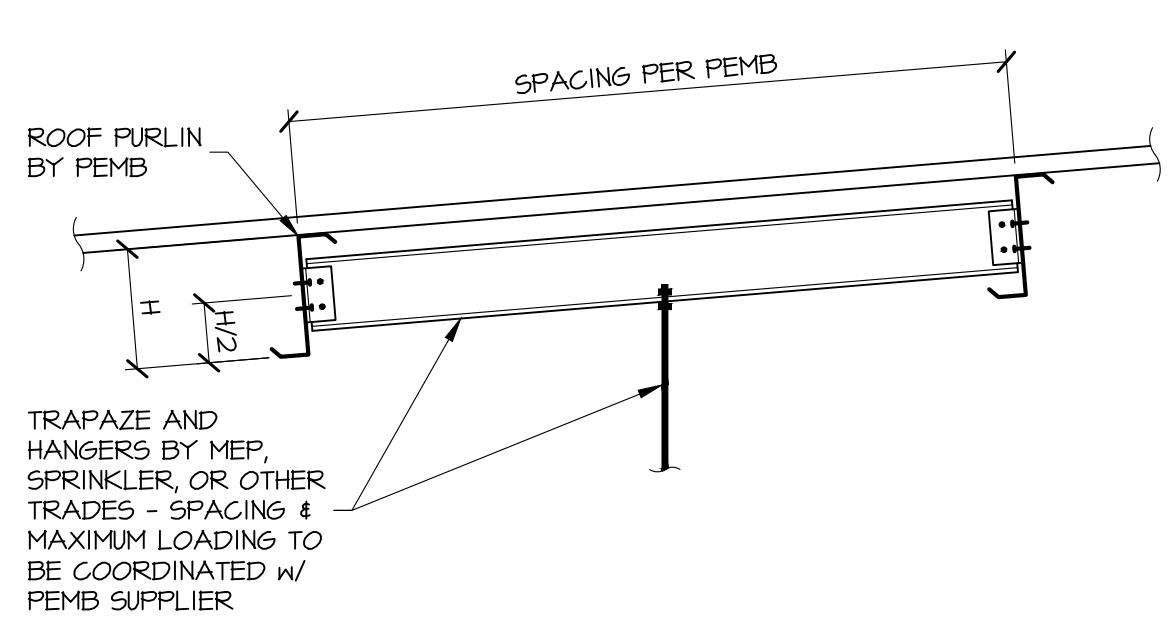
DETAIL T
3/4"=1'-0"
TYPICAL BRACING FOR FULL HEIGHT CMU PARTITIONS PARALLEL WITH AND BENEATH PEMB RIGID FRAME



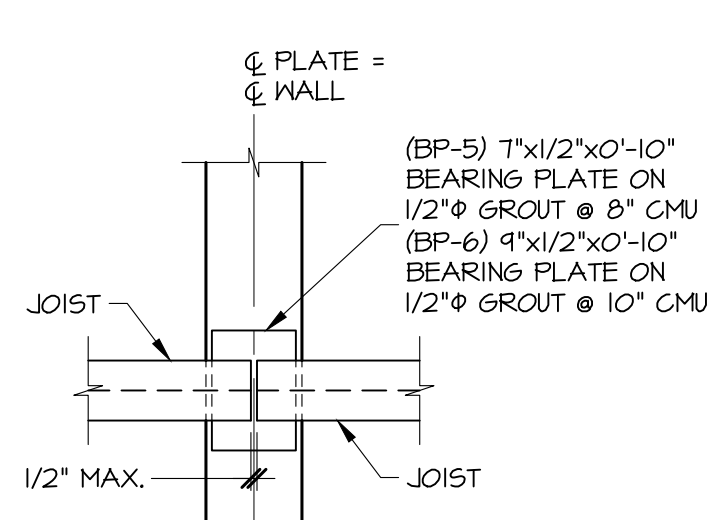
DETAIL U
3/4"=1'-0"
TYPICAL BRACING FOR FULL HEIGHT CMU PARTITION PARALLEL WITH PEMB PURLINS



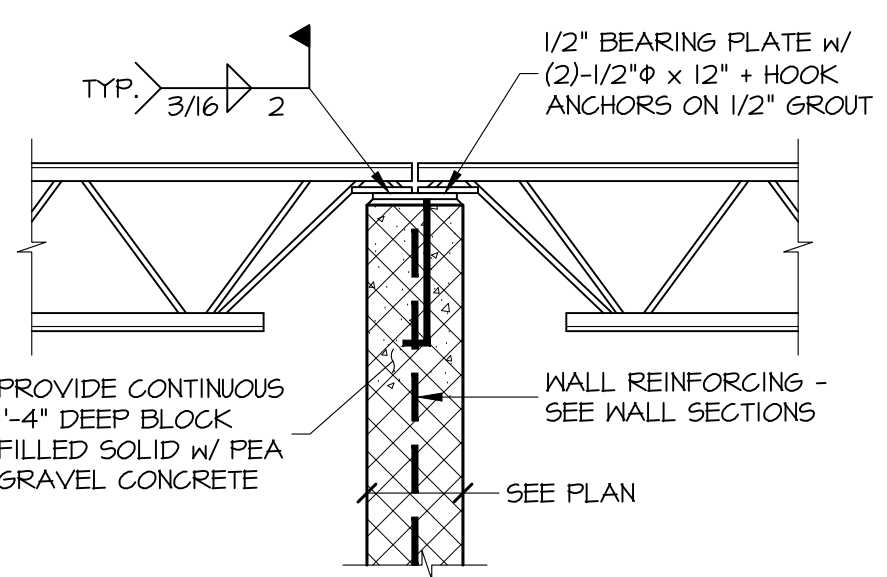
DETAIL V
3/4"=1'-0"
TYPICAL WEB HANGER FROM PEMB ROOF PURLIN FOR ITEMS PERPENDICULAR TO PURLINS



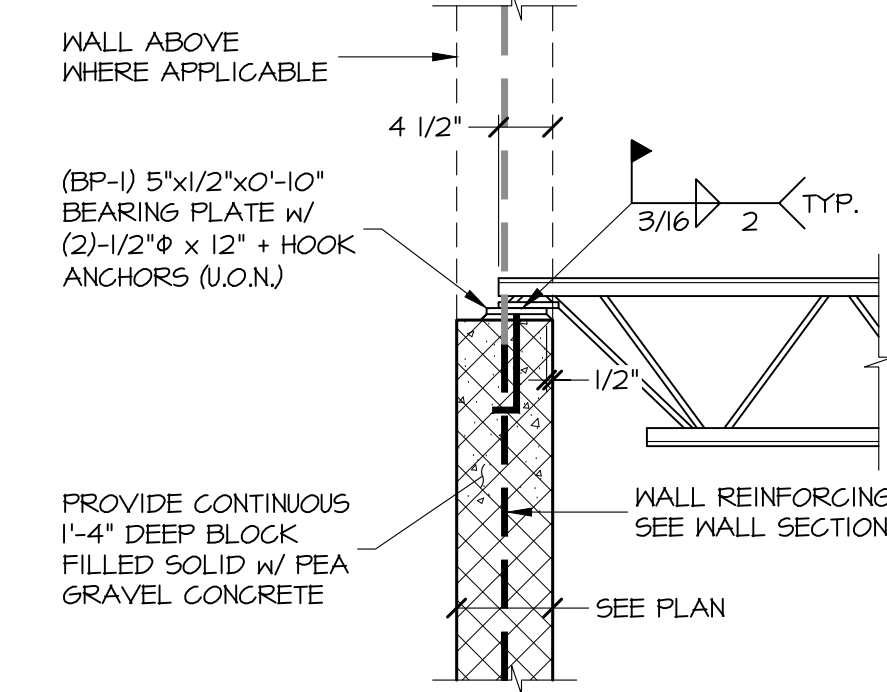
DETAIL W
3/4"=1'-0"
TYPICAL DOUBLE PURLIN HANGER FOR ITEMS PARALLEL TO PEMB PURLINS



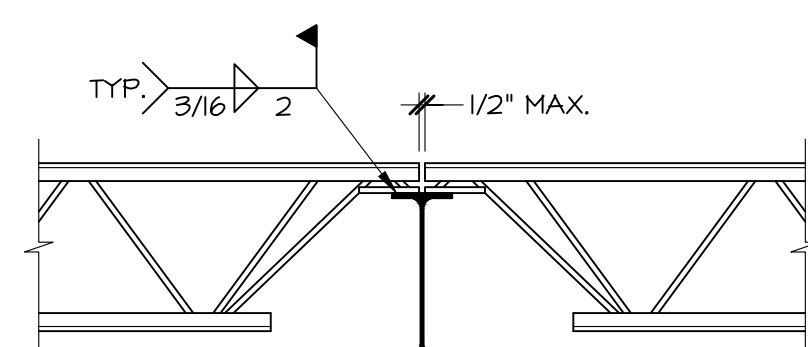
PLAN VIEW



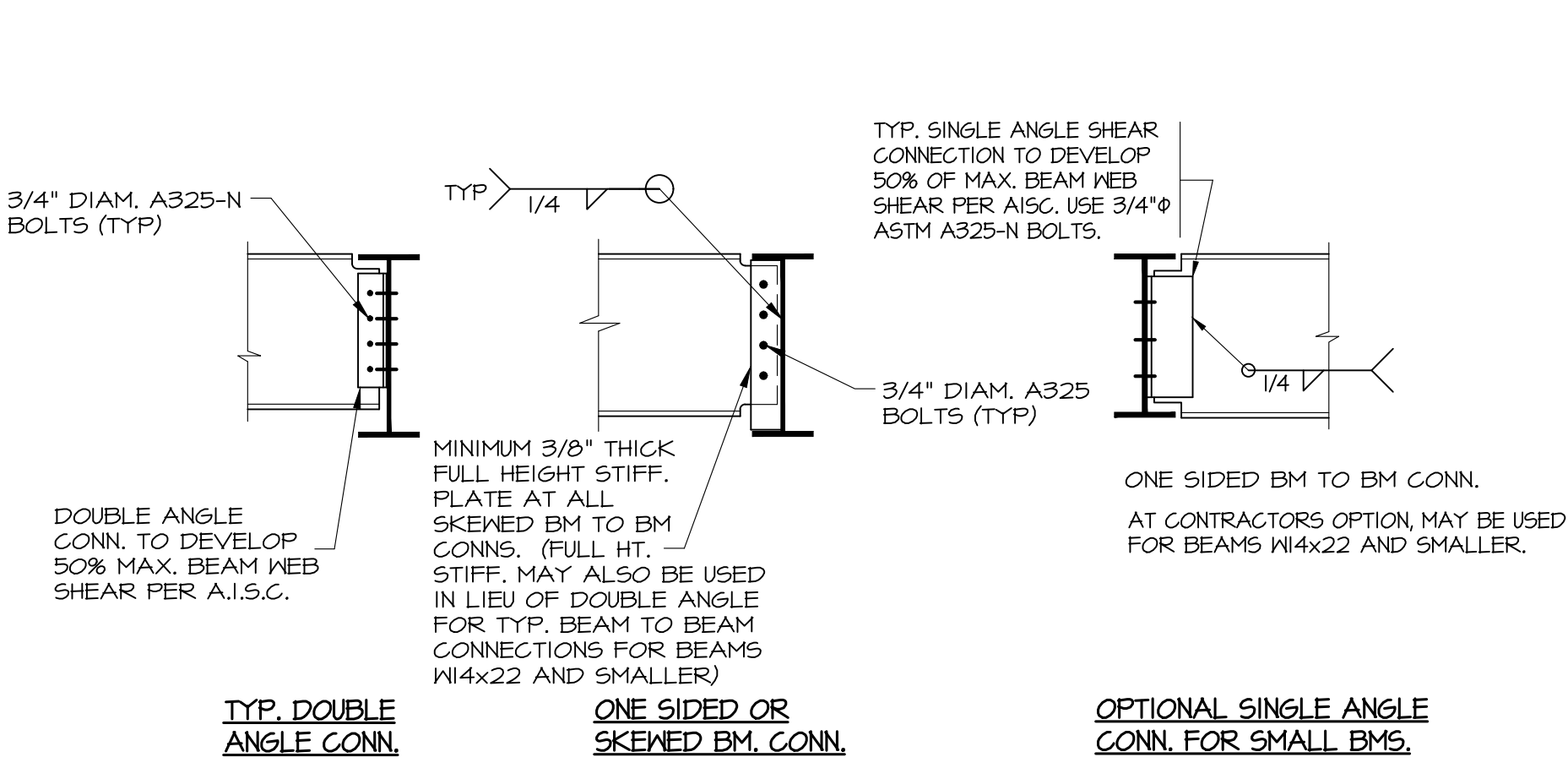
DETAIL L
3/4"=1'-0"
TYPICAL JOIST BEARINGS ON BOTH SIDES OF INTERIOR WALL



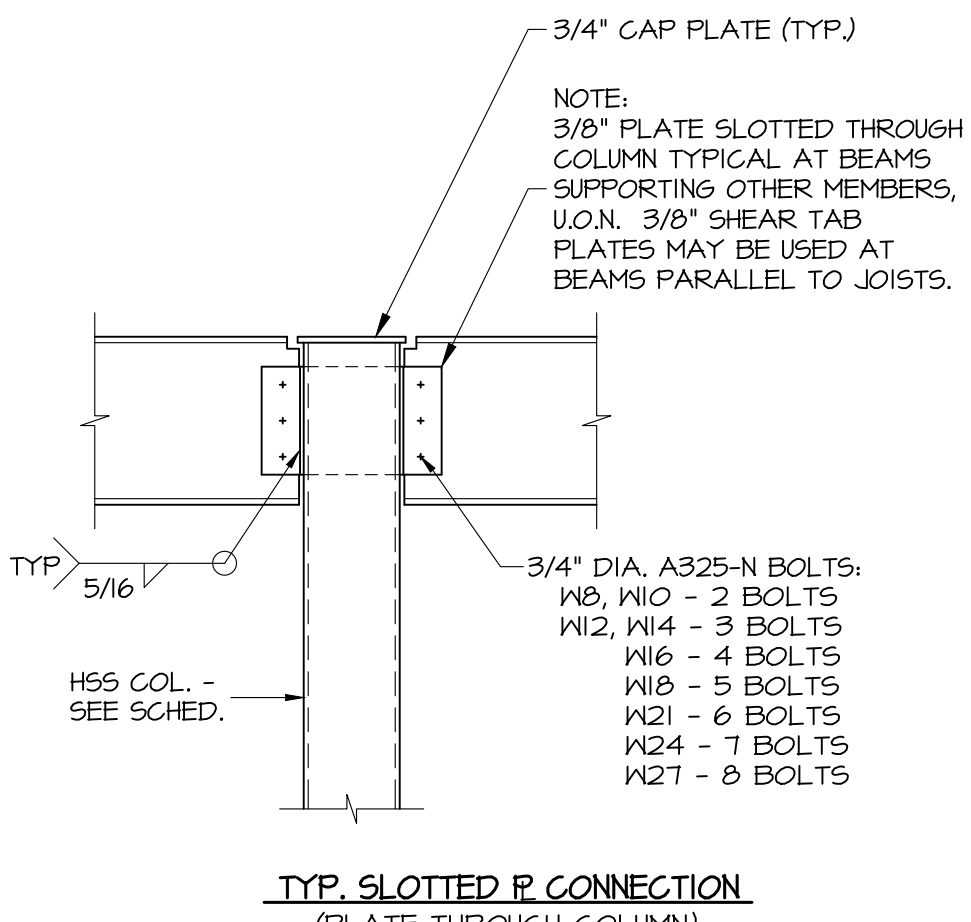
DETAIL M
3/4"=1'-0"
TYPICAL JOIST BEARINGS ON ONE SIDE OF WALL



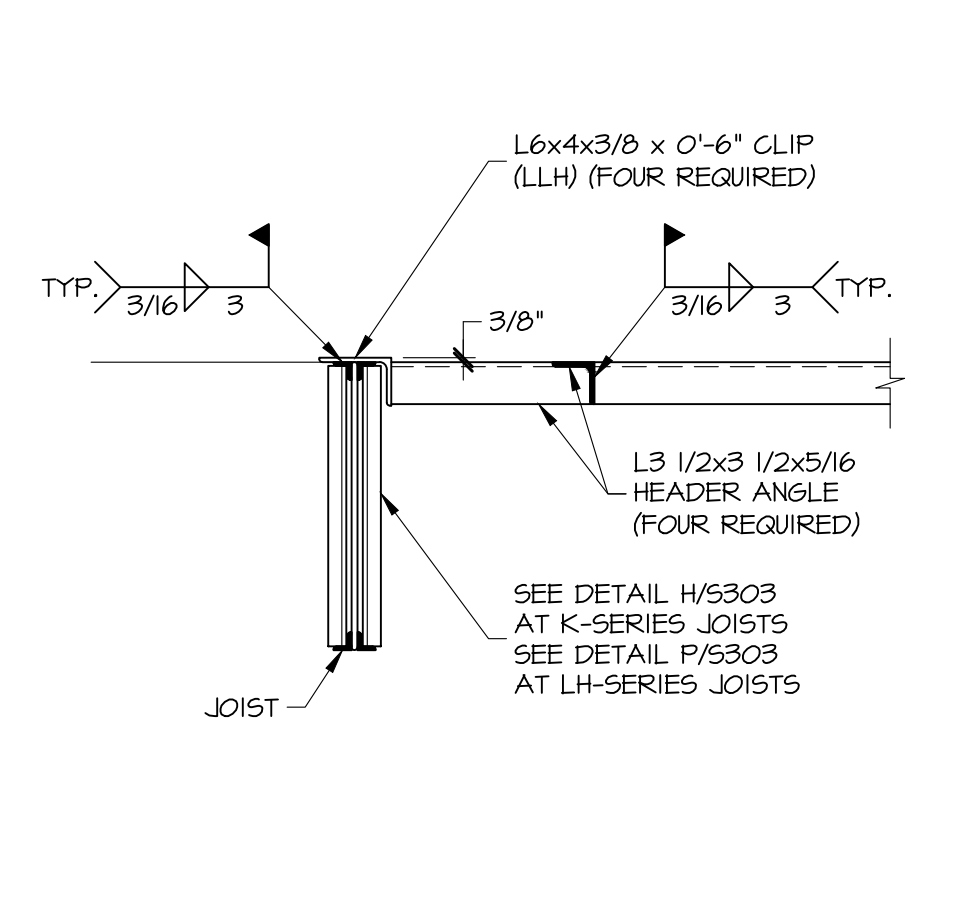
DETAIL N
3/4"=1'-0"
TYPICAL JOIST BEARING ON BOTH SIDES OF BEAM



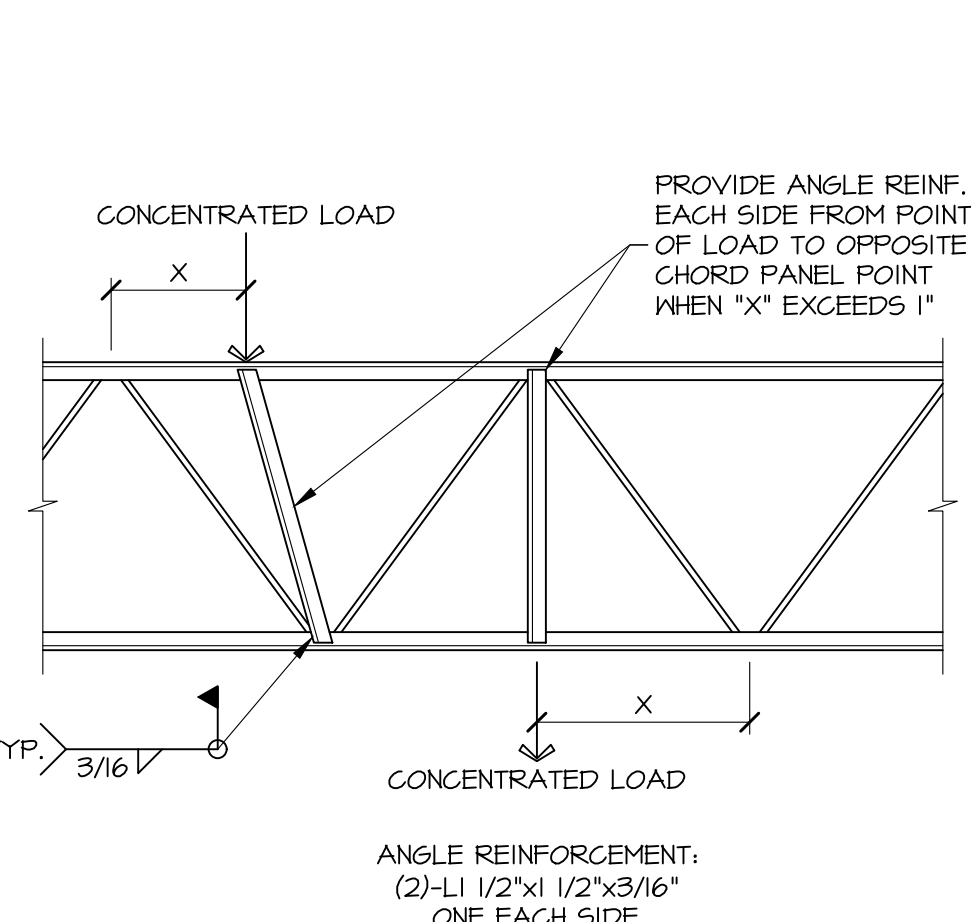
DETAIL E
3/4"=1'-0"
TYPICAL BEAM TO BEAM SHEAR CONNECTIONS



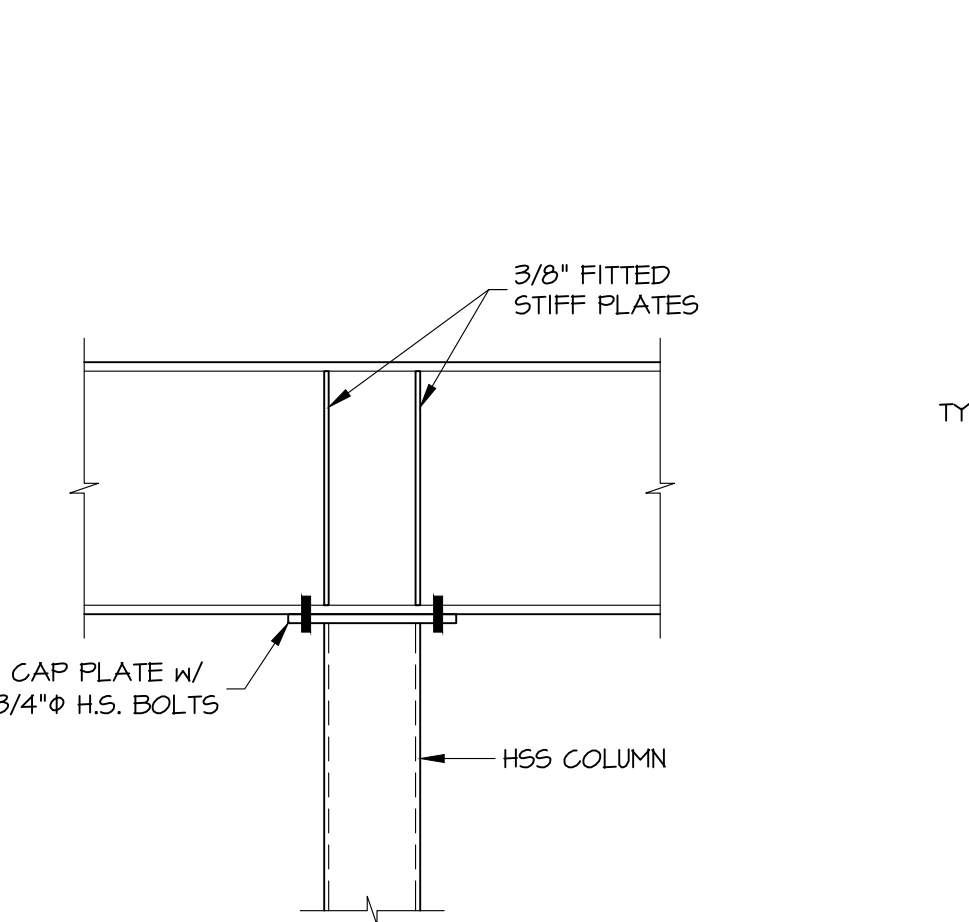
DETAIL F
3/4"=1'-0"
TYPICAL BEAM TO H55 COLUMN SHEAR CONNECTION, U.O.N.



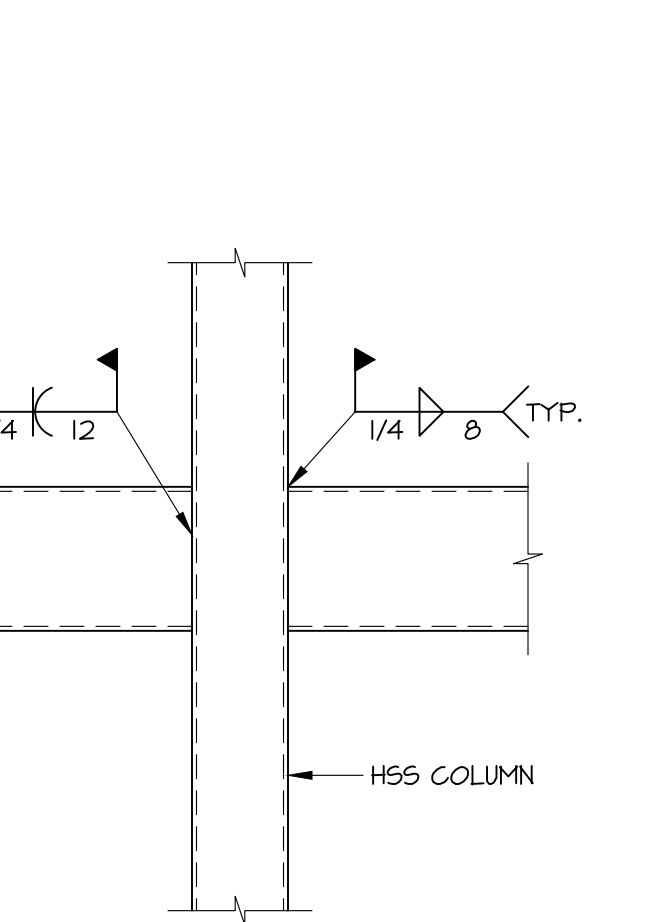
DETAIL G
3/4"=1'-0"
TYPICAL ROOF OPENING AND/OR EQUIPMENT SUPPORT DETAIL, COORDINATE NUMBER, LOCATION, & SIZE w/ ARCH/ MEP DRAWINGS



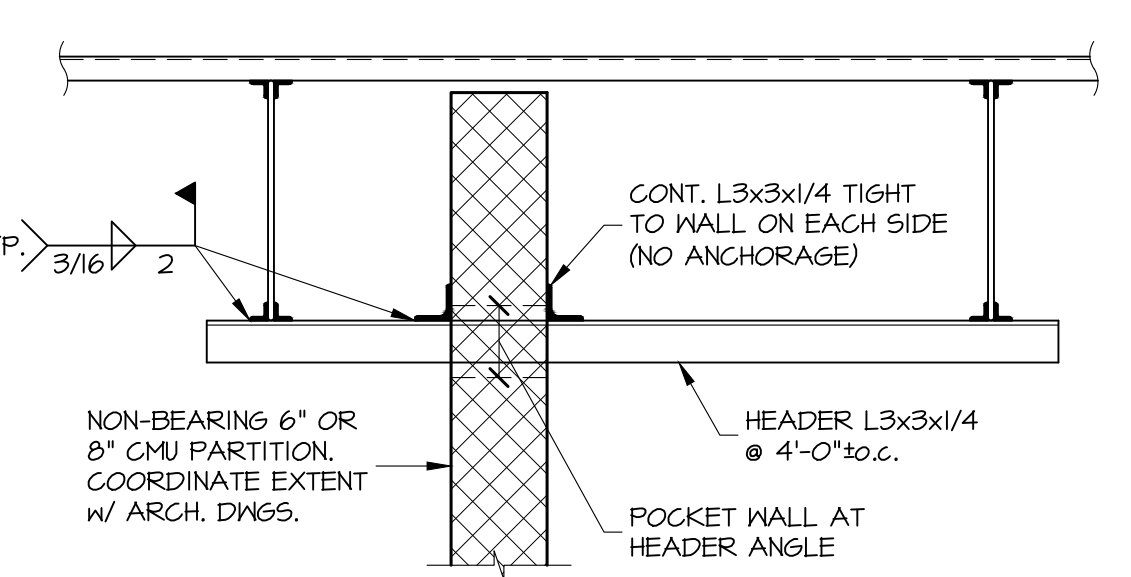
DETAIL H
3/4"=1'-0"
TYPICAL K-SERIES JOIST REINFORCING



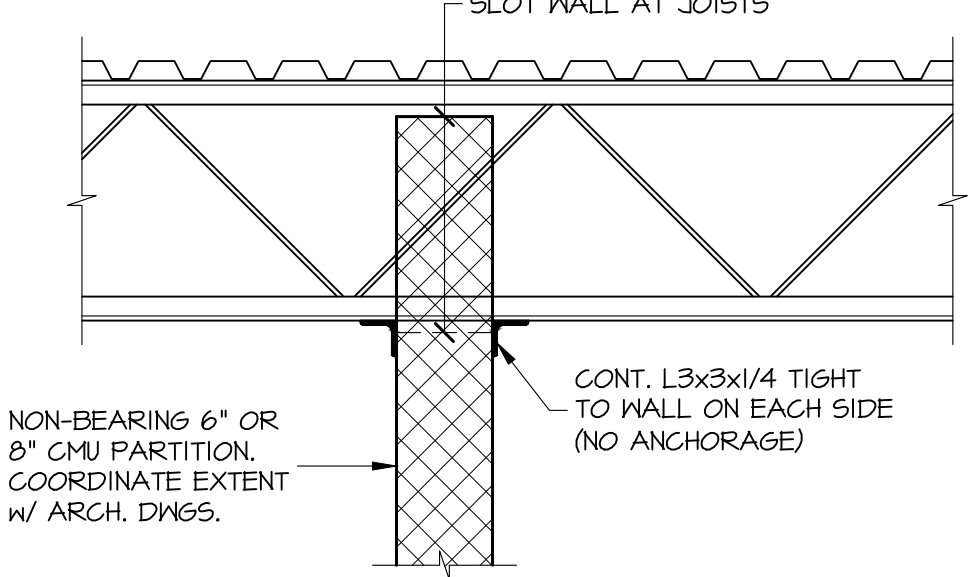
DETAIL J
3/4"=1'-0"
TYPICAL BEAM OVER H55 COLUMN



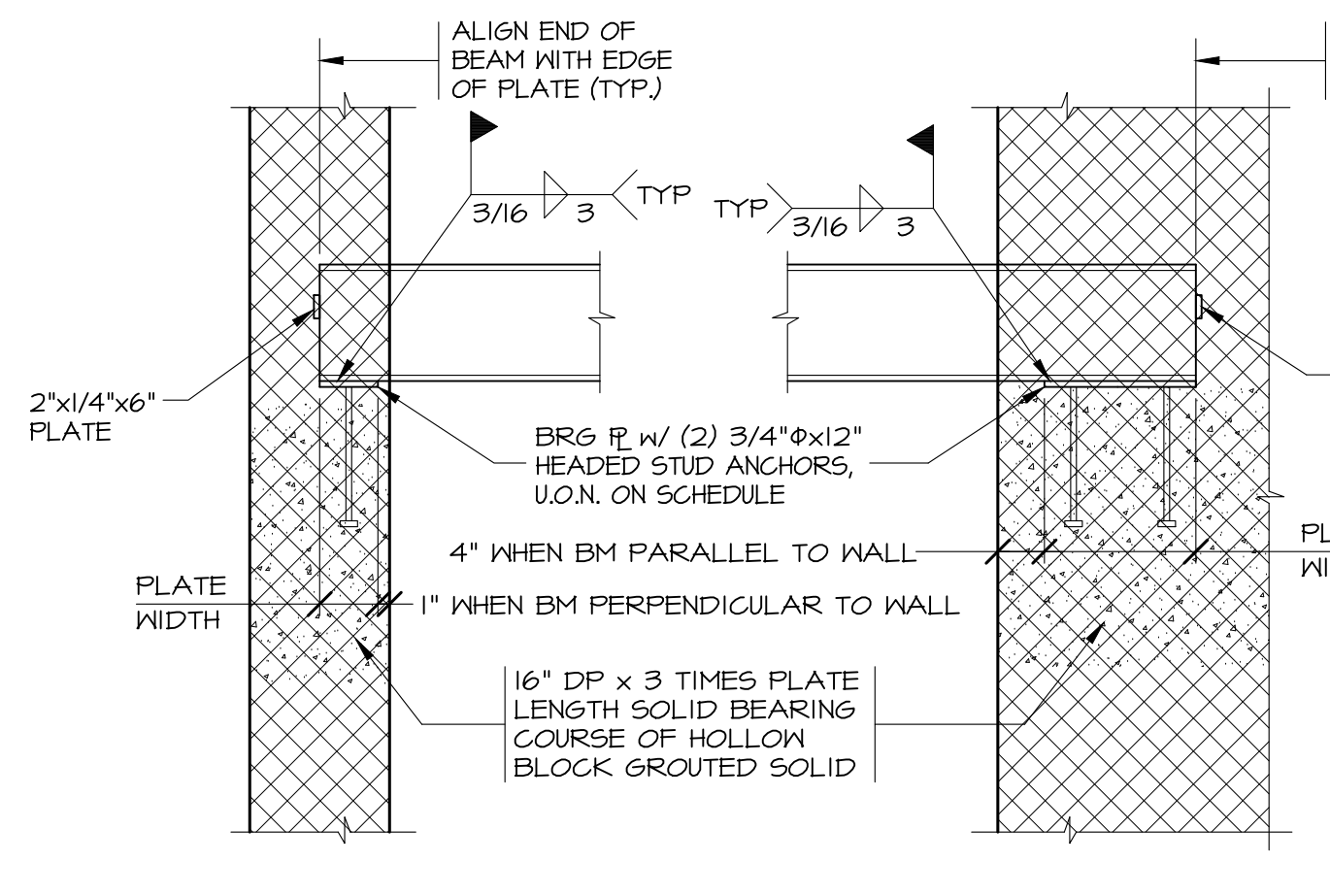
DETAIL K
3/4"=1'-0"
TYPICAL H55 BEAM TO H55 COLUMN CONNECTION



DETAIL A
3/4"=1'-0"
JOISTS PARALLEL TO INTERIOR MASONRY PARTITION



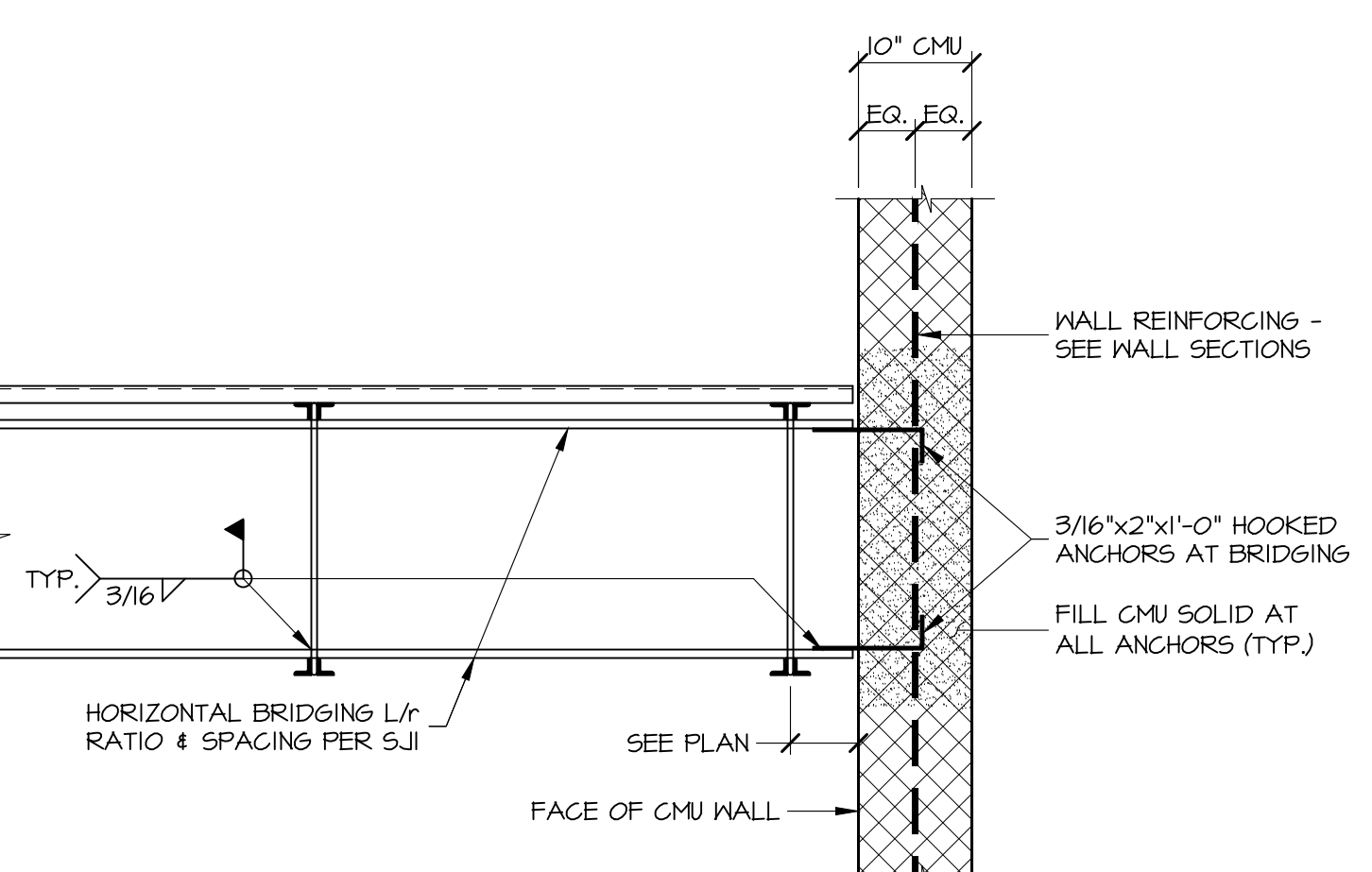
DETAIL B
3/4"=1'-0"
JOISTS PERPENDICULAR TO INTERIOR MASONRY PARTITION



DETAIL C
N.T.S.
TYPICAL BEAM BEARING ON MASONRY

BEARING PLATE SCHEDULE		
MARK	SIZE	# OF ANCHORS
BP1	5"x12"x10"	2
BP2	7"x12"x11"	2
BP3	6"x12"x11-0"	2
BP4	8"x9/4"x10"	2
BP5	7"x12"x10"	2
BP6	9"x12"x10"	2

ALL BEAMS, INCLUDING LINTEL BEAMS, TO HAVE BEARING PLATE. USE BP-1, UNLESS OTHERWISE NOTED IN PLANS OR SECTIONS.



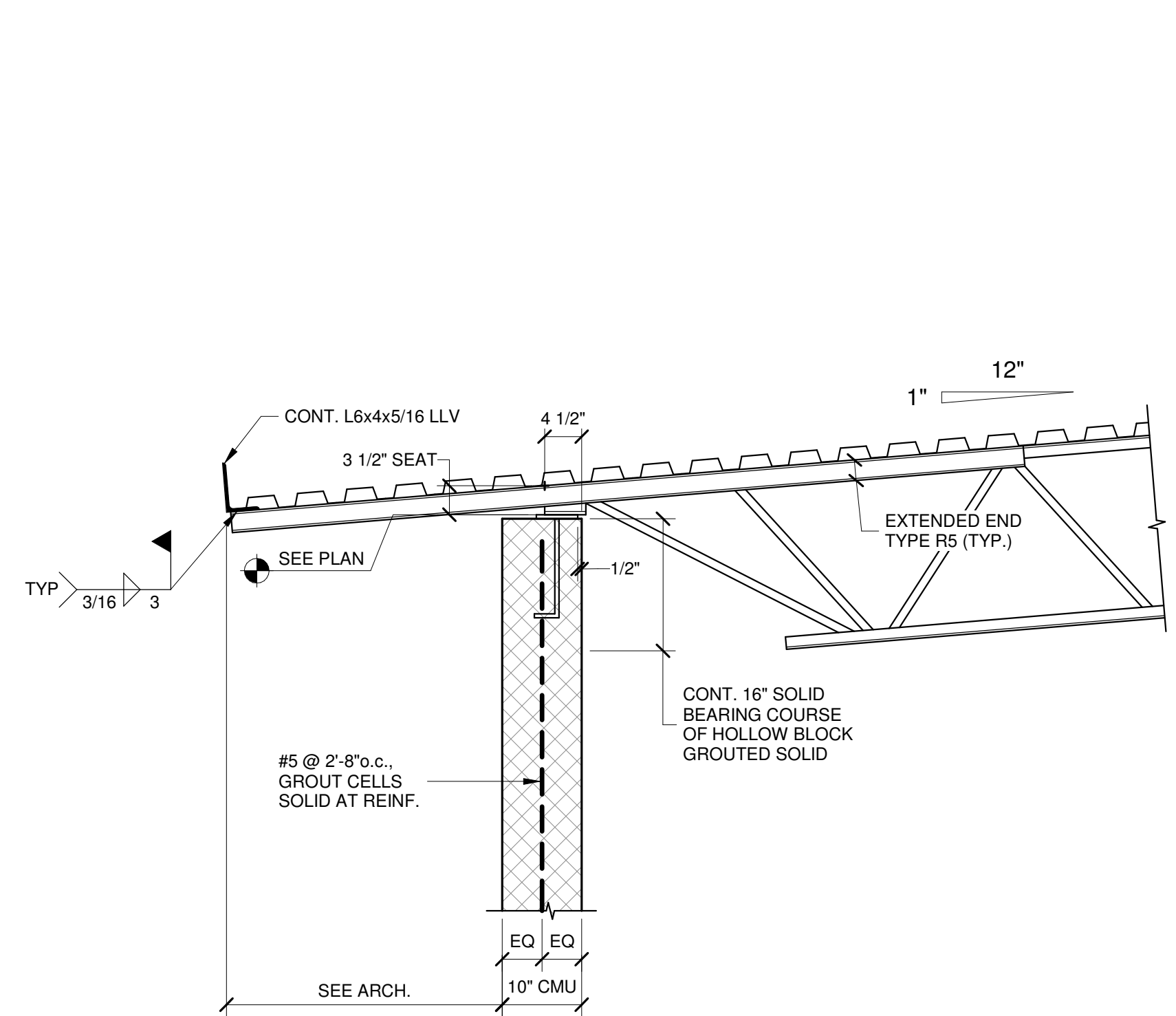
DETAIL D
3/4"=1'-0"
TYPICAL JOISTS PARALLEL TO MASONRY WALL

SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 12729
EXPIRATION DATE: 12/07/2021

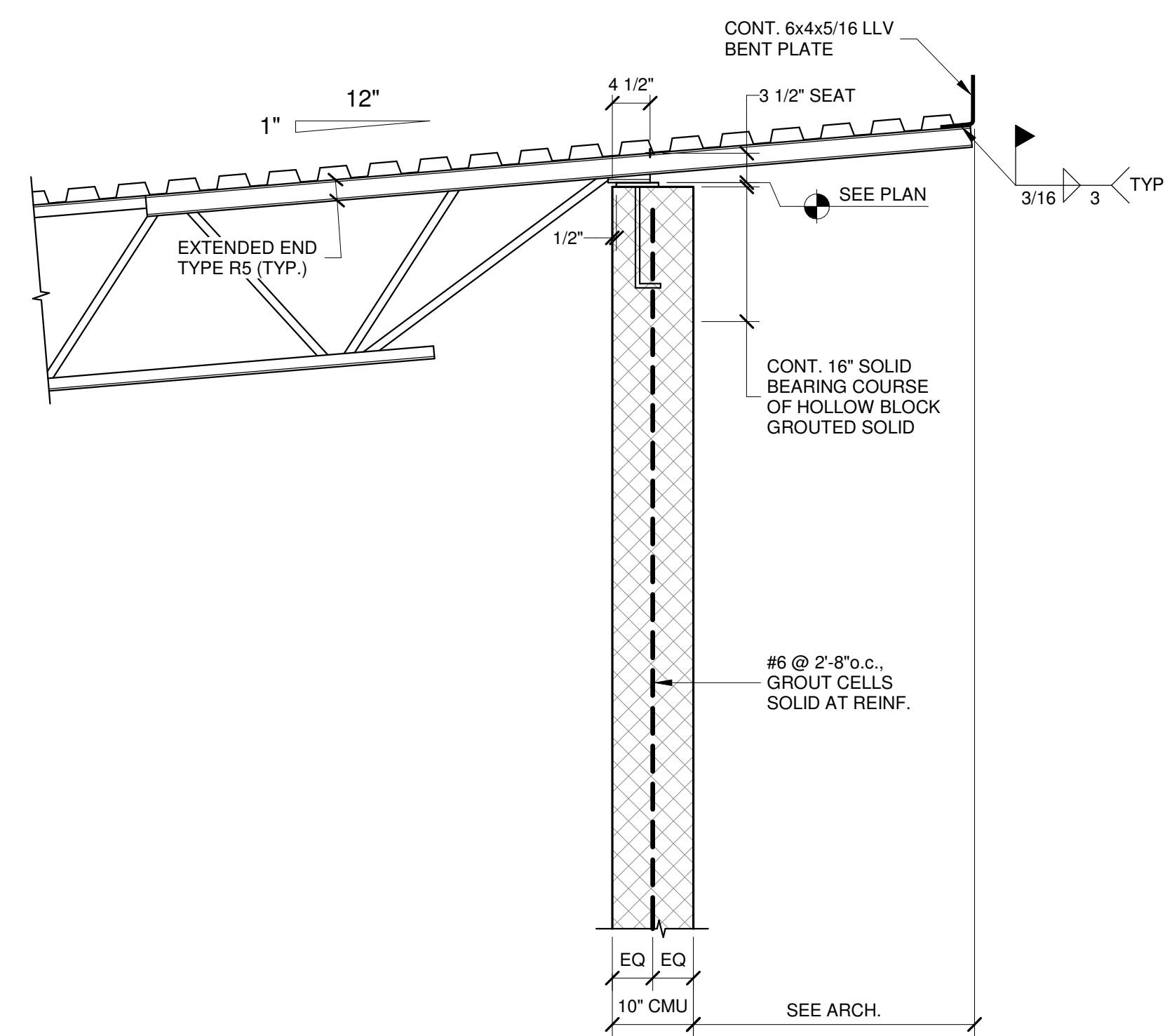
CONSULTANT:
MANAV PATEL, M.P.E., Inc.
Civil & Structural Engineers
MPM
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

CHARLES COUNTY ANIMAL SHELTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

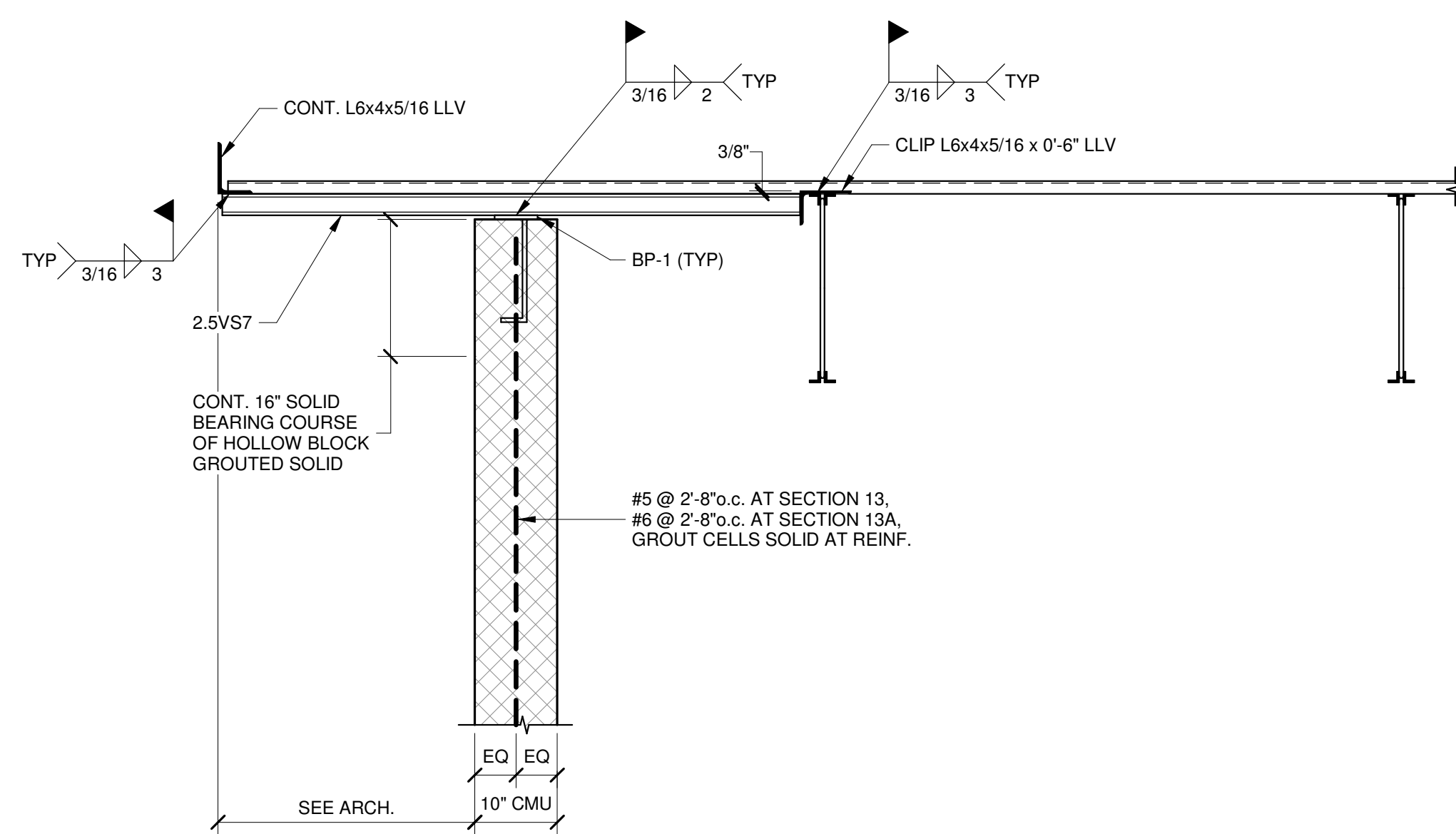
NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT	PERMIT	
DATE	12/23/2019	
DRAWING	SECTIONS	
SHEET	S401	



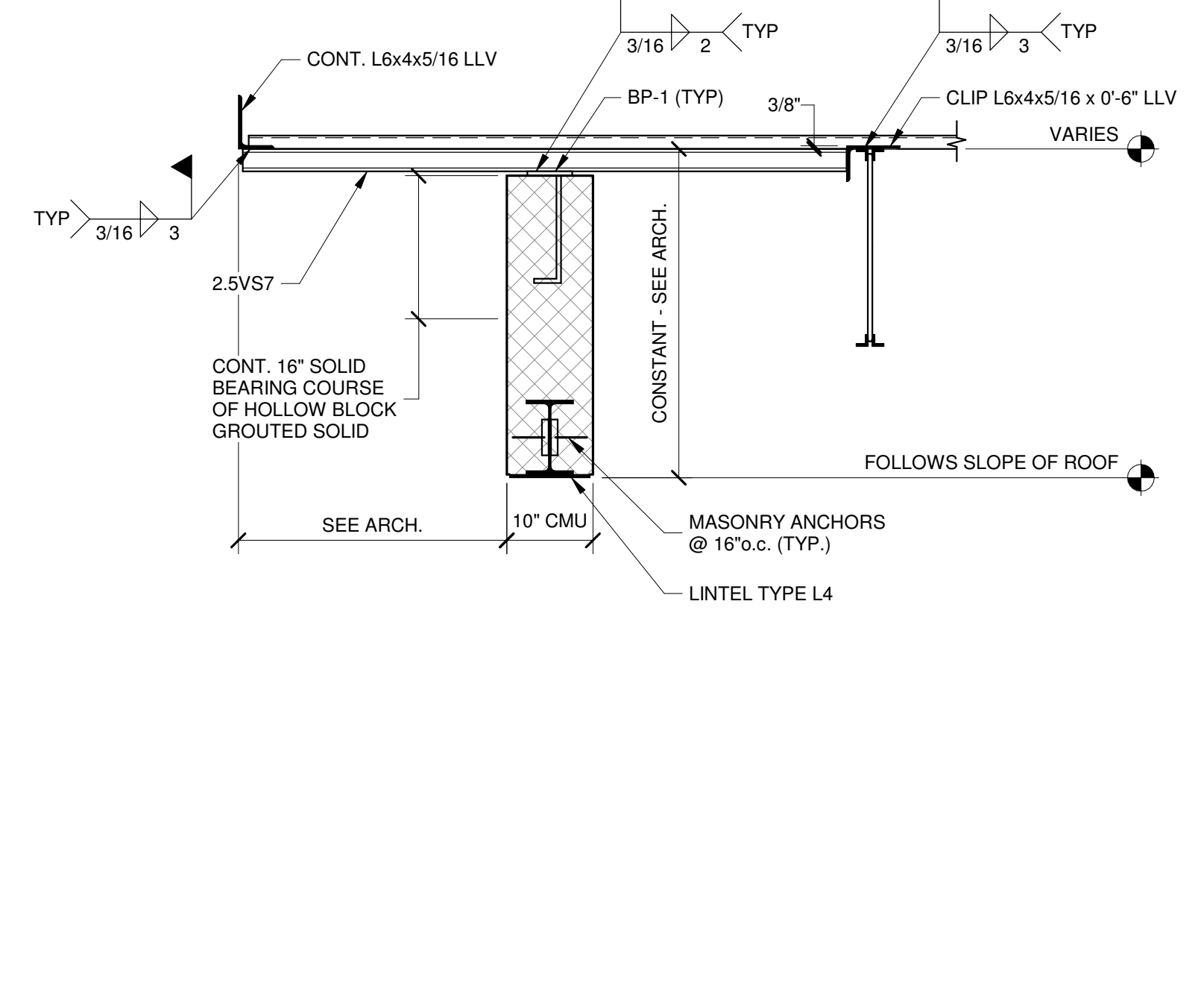
SECTION 11
S401
3/4" = 1'-0"



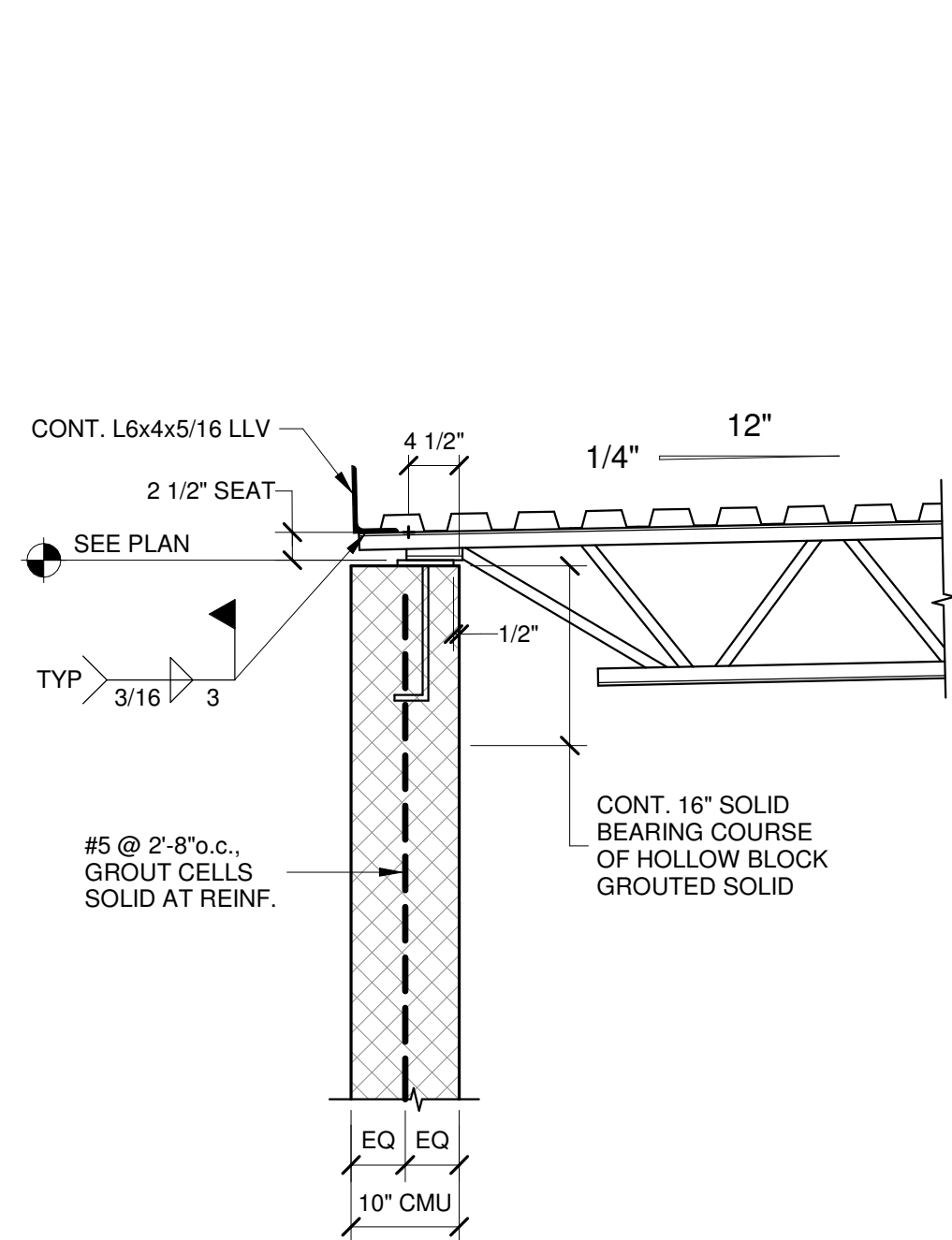
SECTION 12
S401
3/4" = 1'-0"



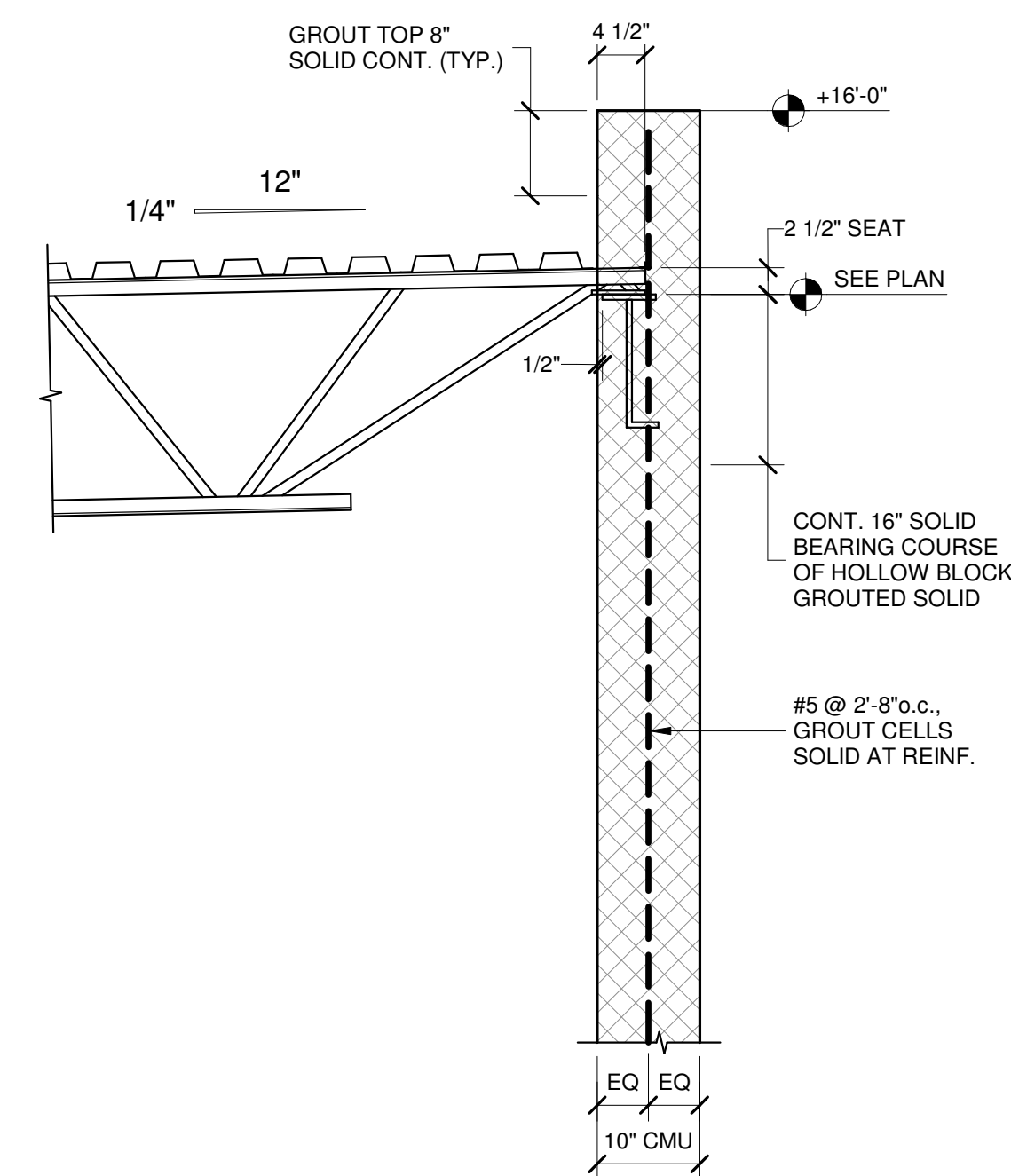
SECTION 13A
S401
3/4" = 1'-0"



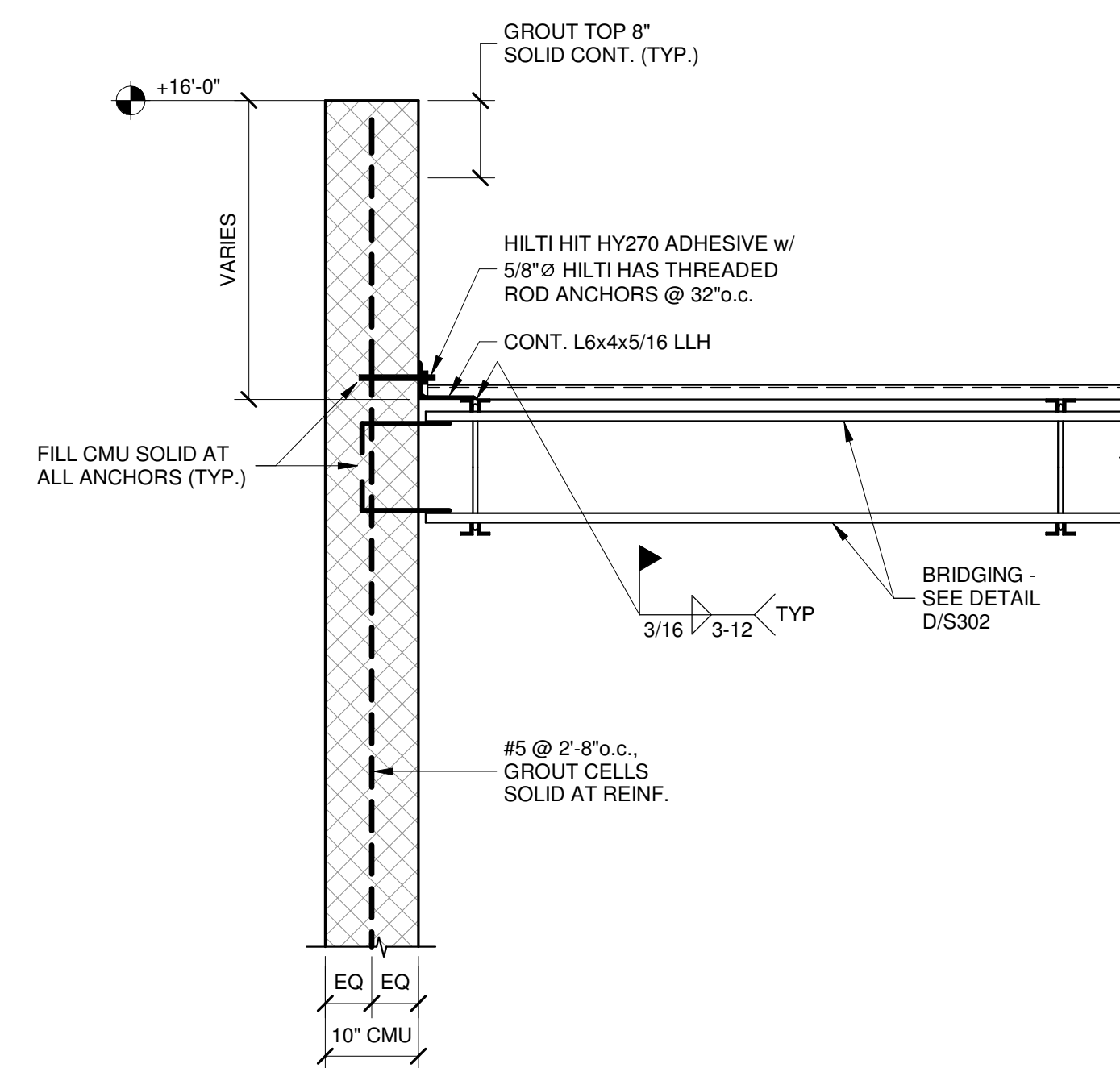
SECTION 14
S401
3/4" = 1'-0"



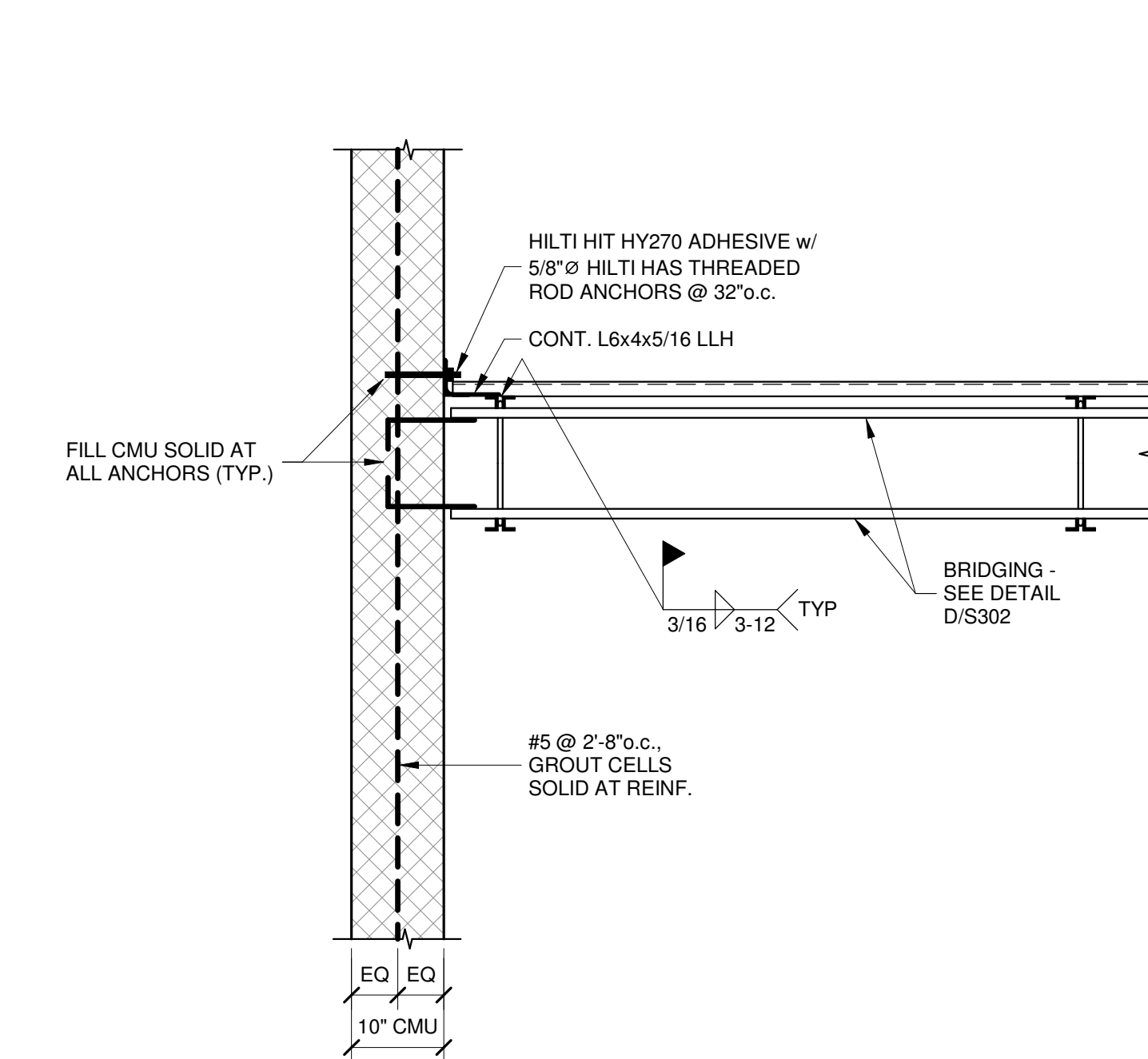
SECTION 6
S401
3/4" = 1'-0"



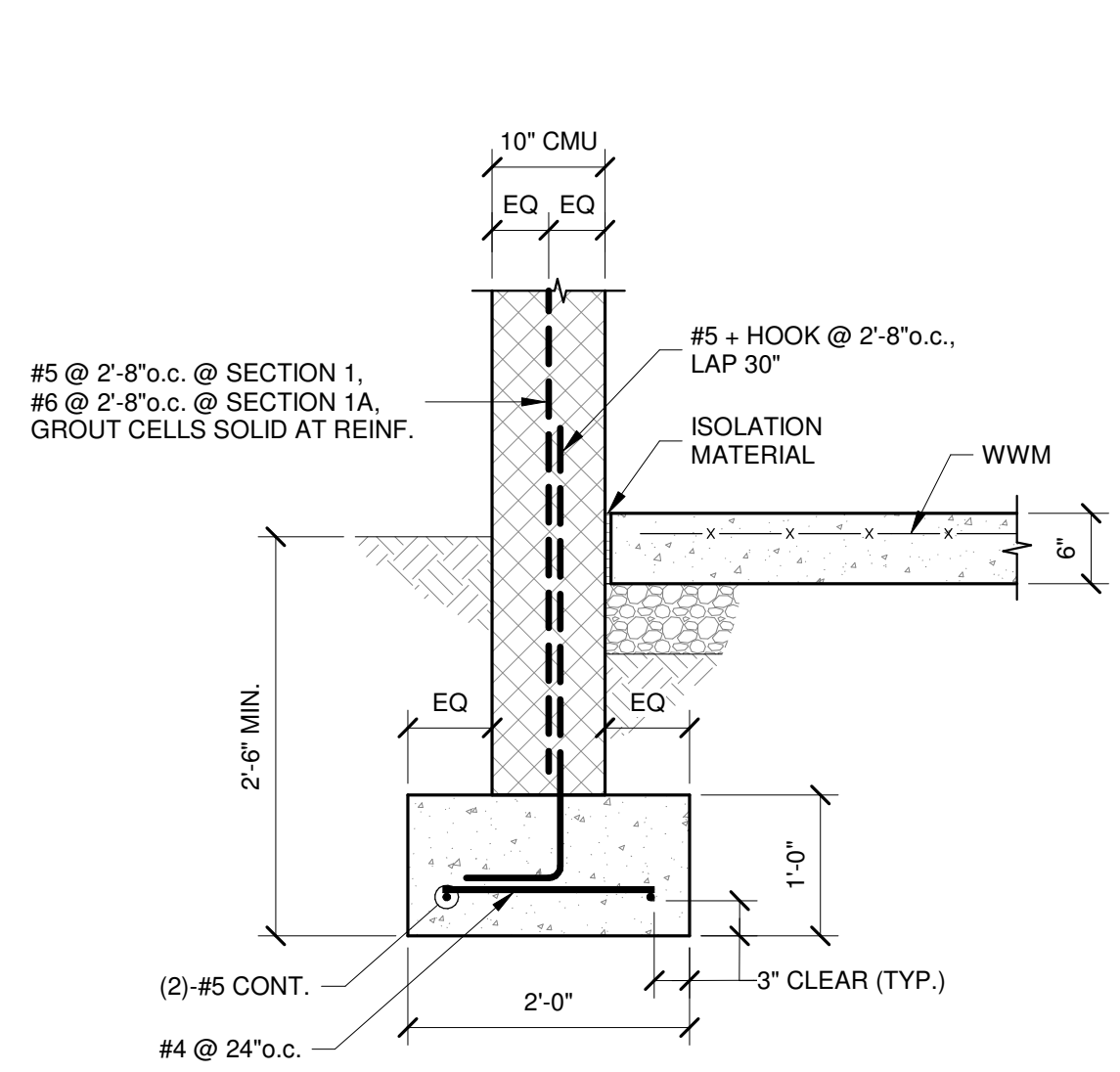
SECTION 7
S401
3/4" = 1'-0"



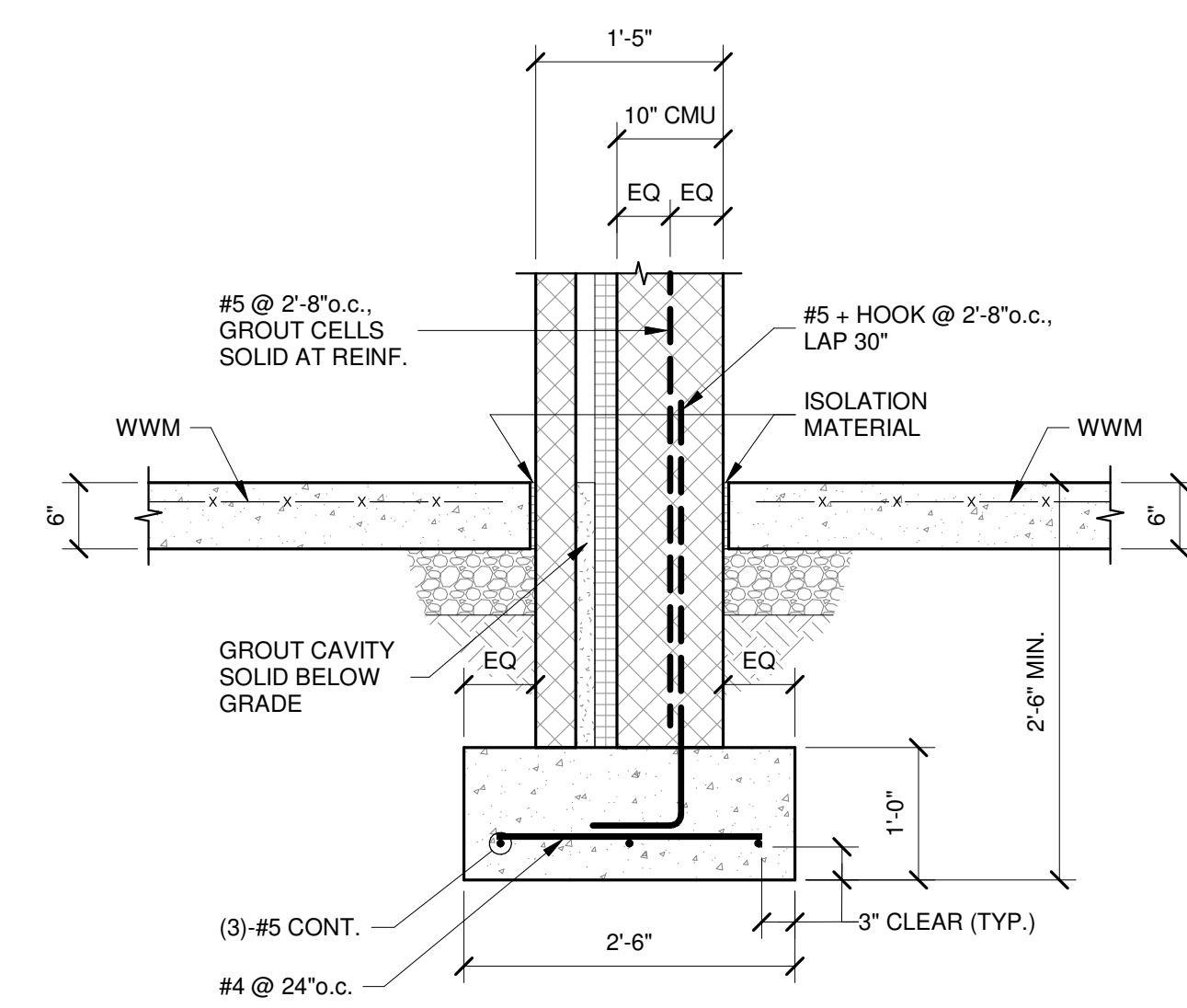
SECTION 8
S401
3/4" = 1'-0"



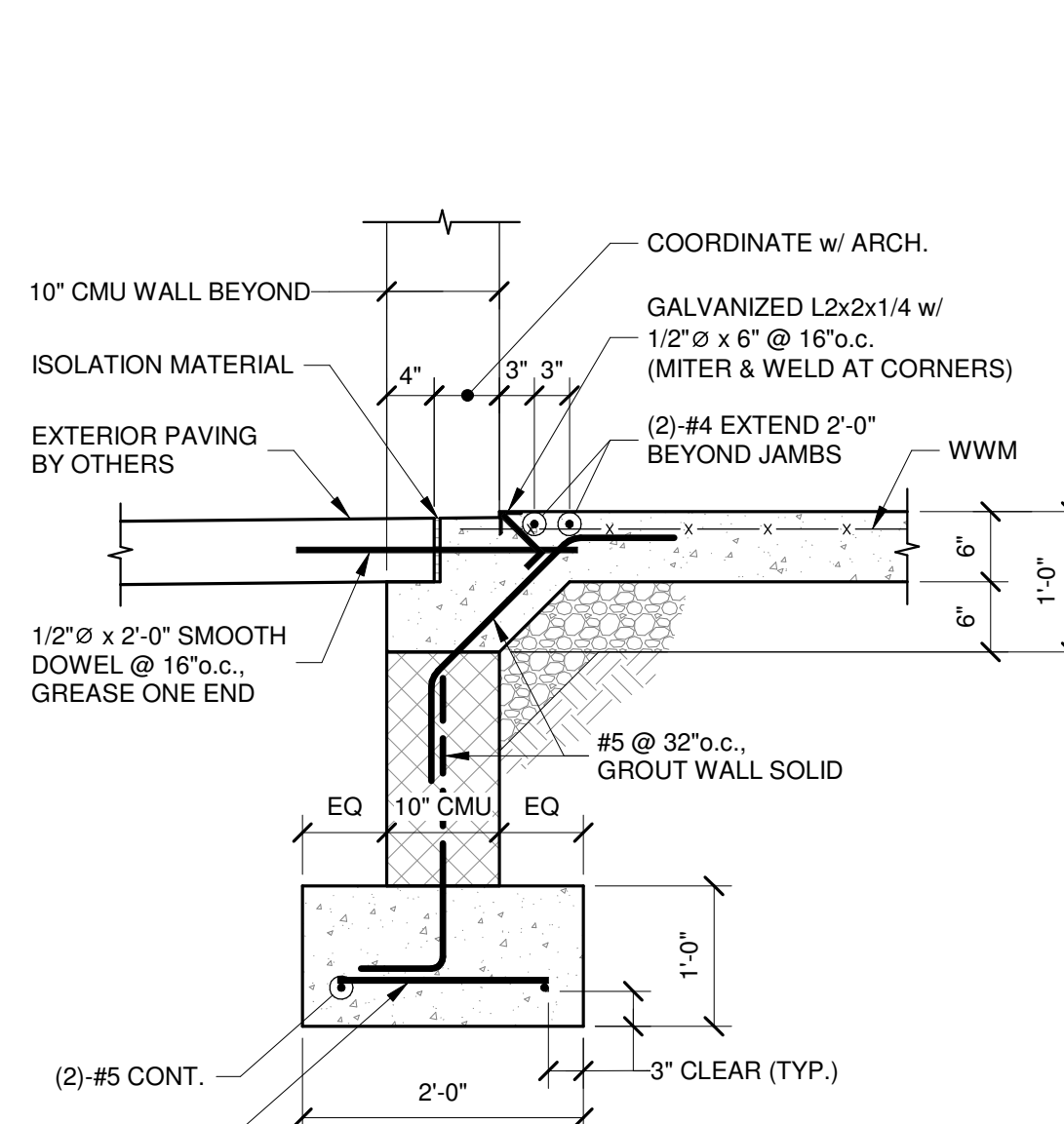
SECTION 9
S401
3/4" = 1'-0"



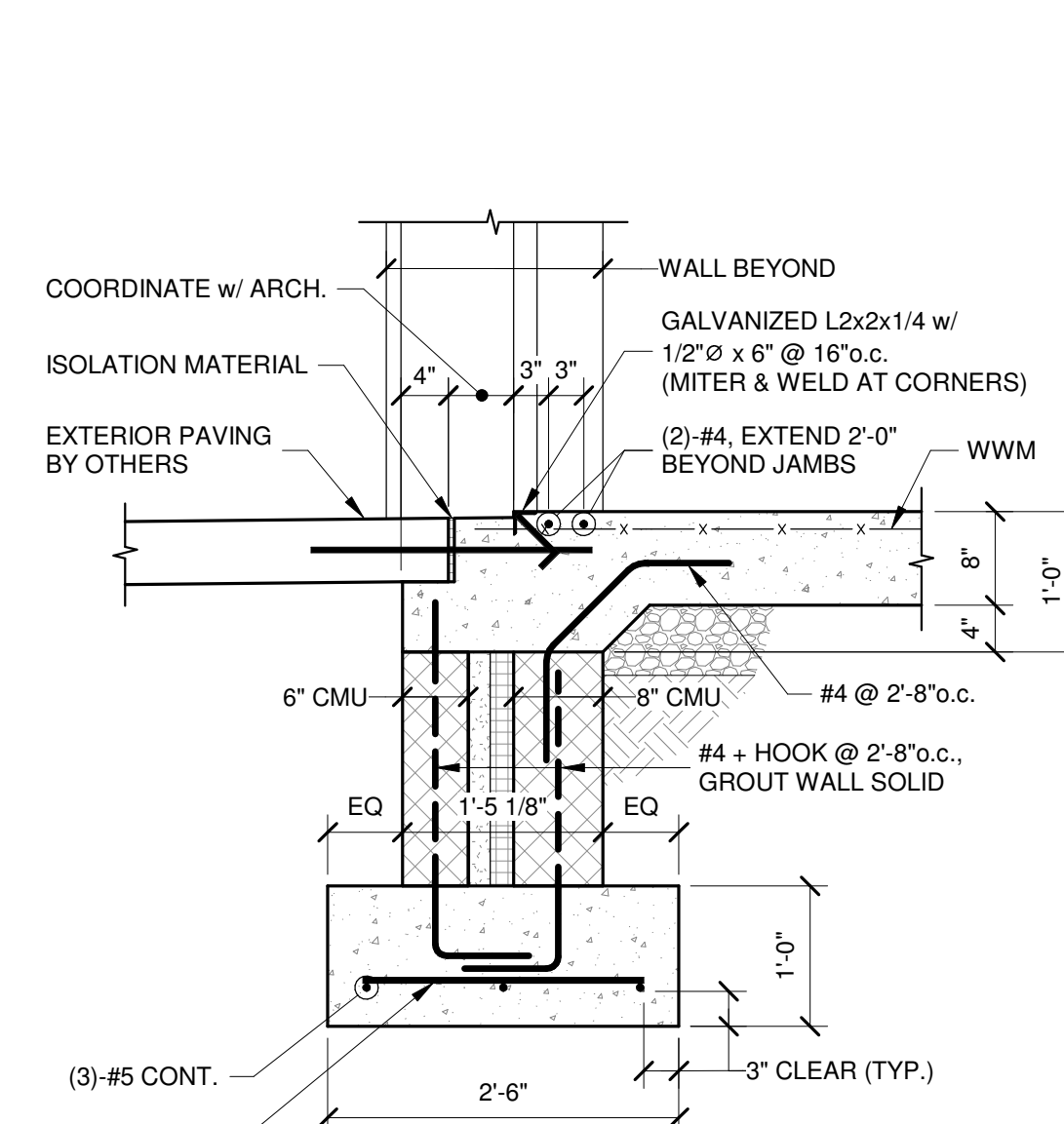
SECTION 1A
S401
3/4" = 1'-0"



SECTION 2
S401
3/4" = 1'-0"



SECTION 3
S401
3/4" = 1'-0"



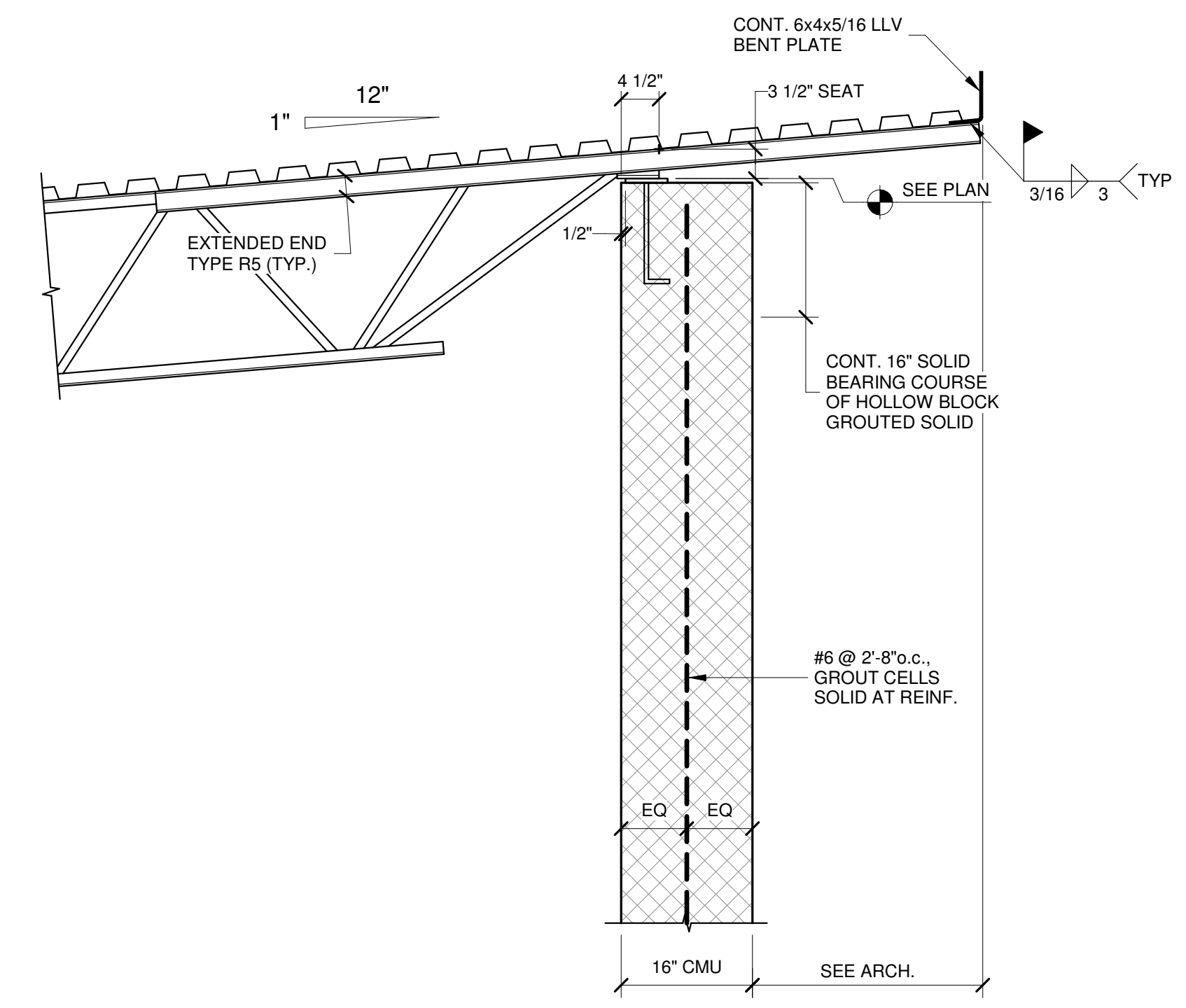
SECTION 4
S401
3/4" = 1'-0"

SEAL:
 PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE
 DOCUMENTS WERE PREPARED OR
 APPROVED BY ME, AND THAT I AM
 A FULLY LICENSED PROFESSIONAL
 ENGINEER UNDER THE LAWS OF
 THE STATE OF MARYLAND.
 LICENSE No.: 12729
 EXPIRATION DATE: 12/31/2021

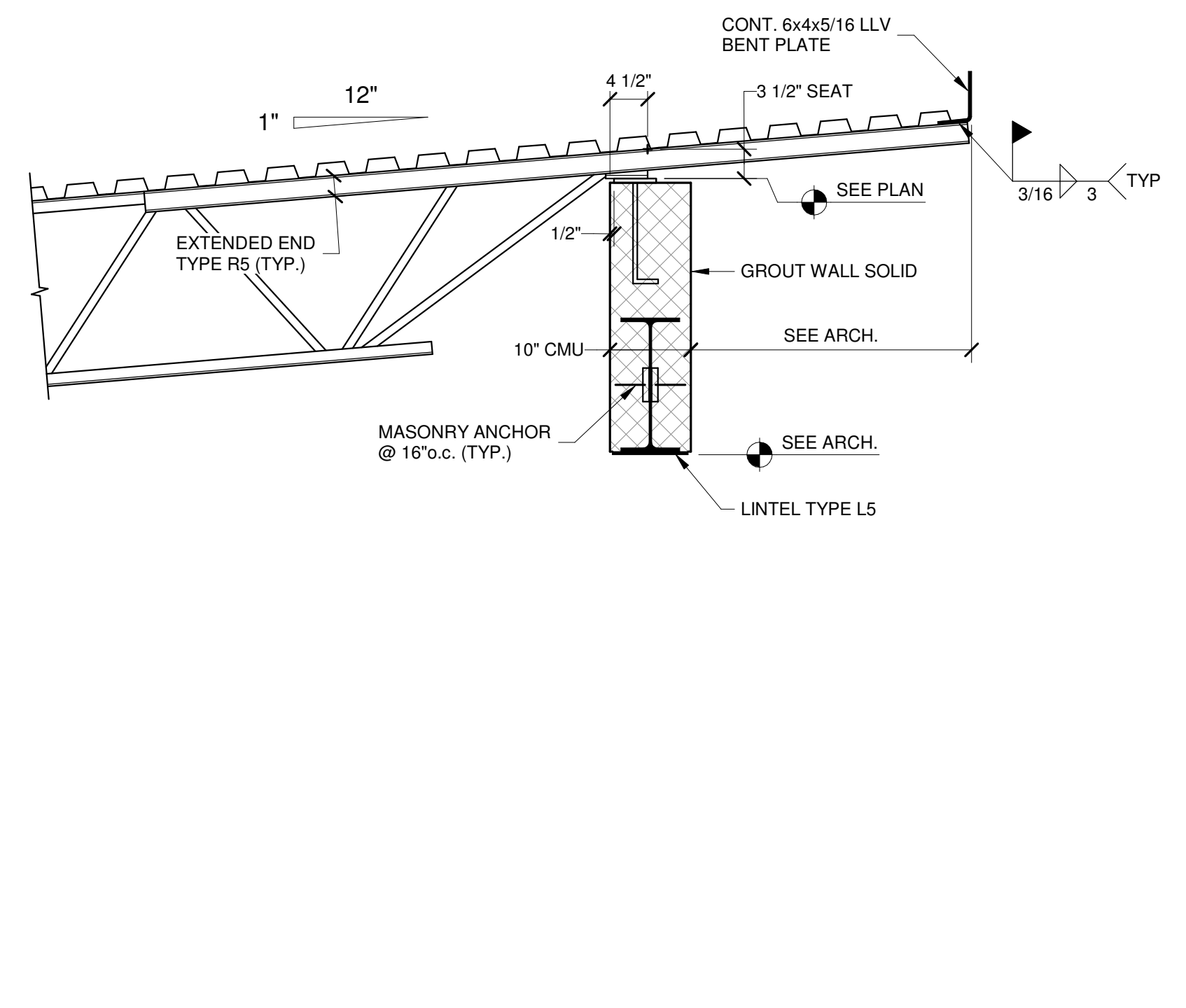
CONSULTANT:
 MANN WOODWARD STUDIOS, INC.
MPM
 Consulting Structural Engineers
 6511 Harford Road
 Baltimore, Maryland 21214
 Telephone: (410) 254-7600

CHARLES COUNTY ANIMAL SHELTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

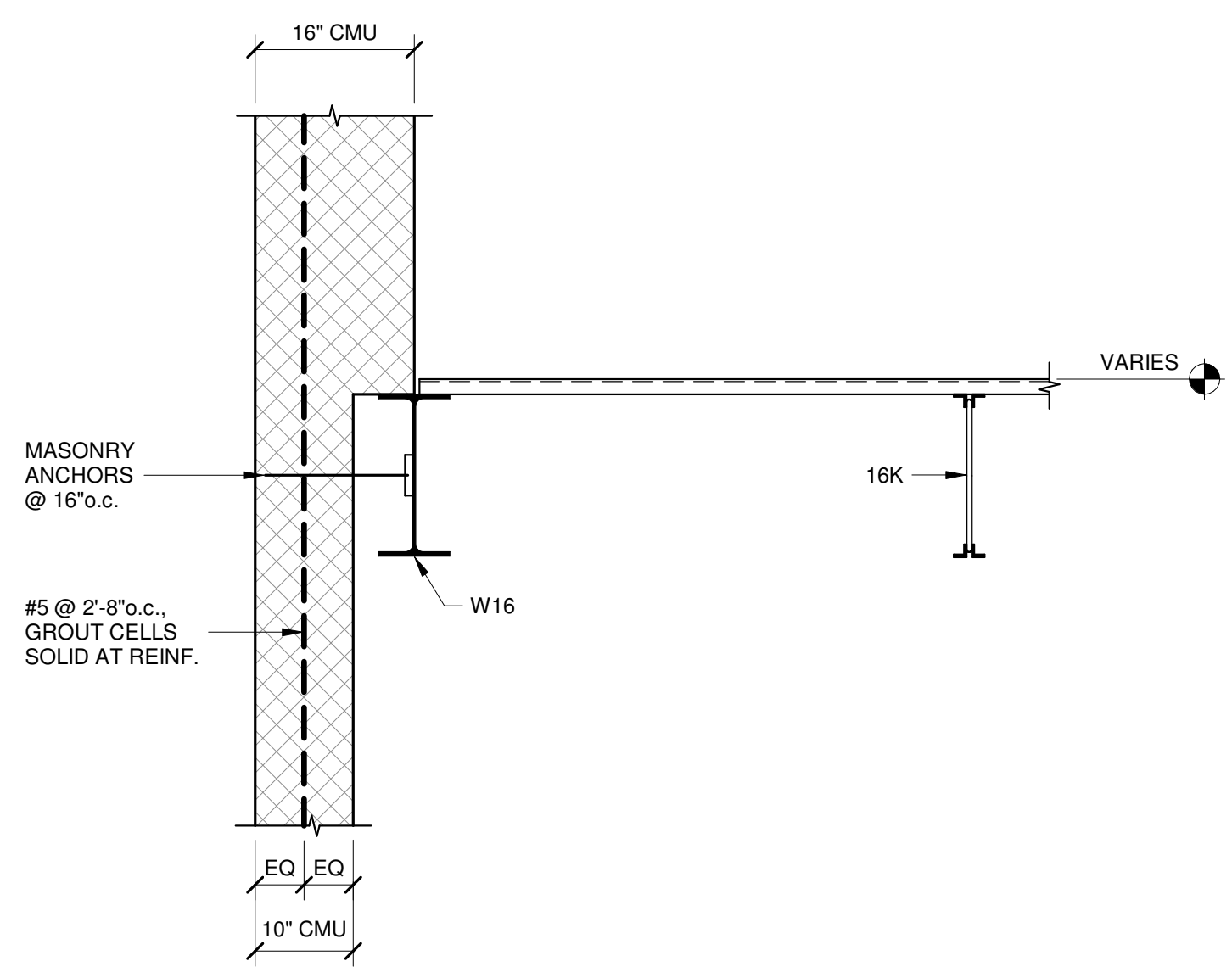
NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT PERMIT		
DATE	12/23/2019	
DRAWING SECTIONS		
SHEET	S402	



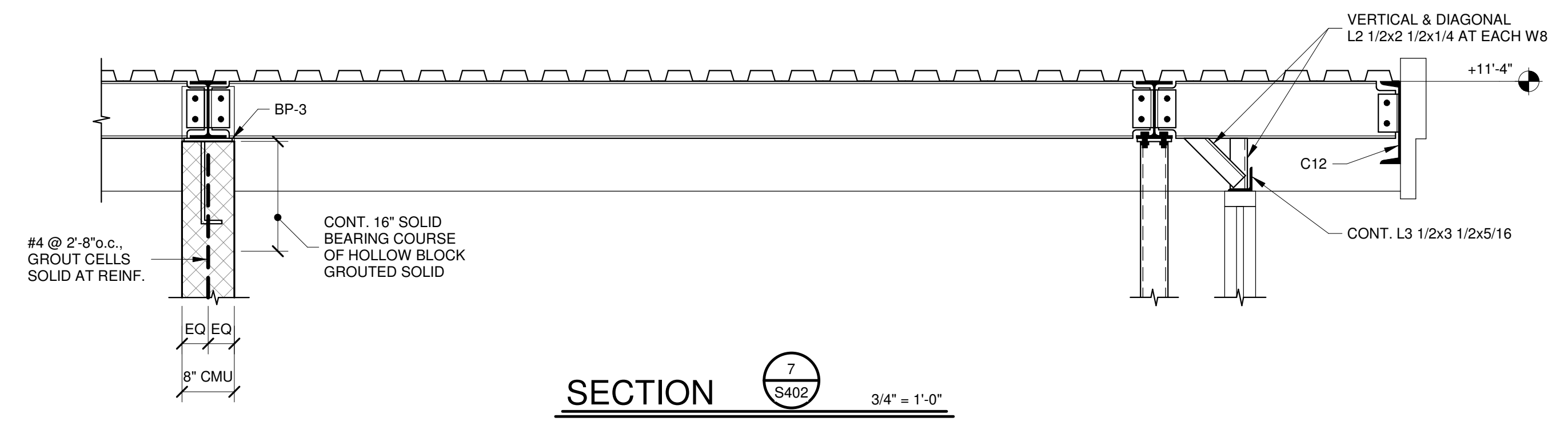
SECTION 5
 S402
 3/4" = 1'-0"



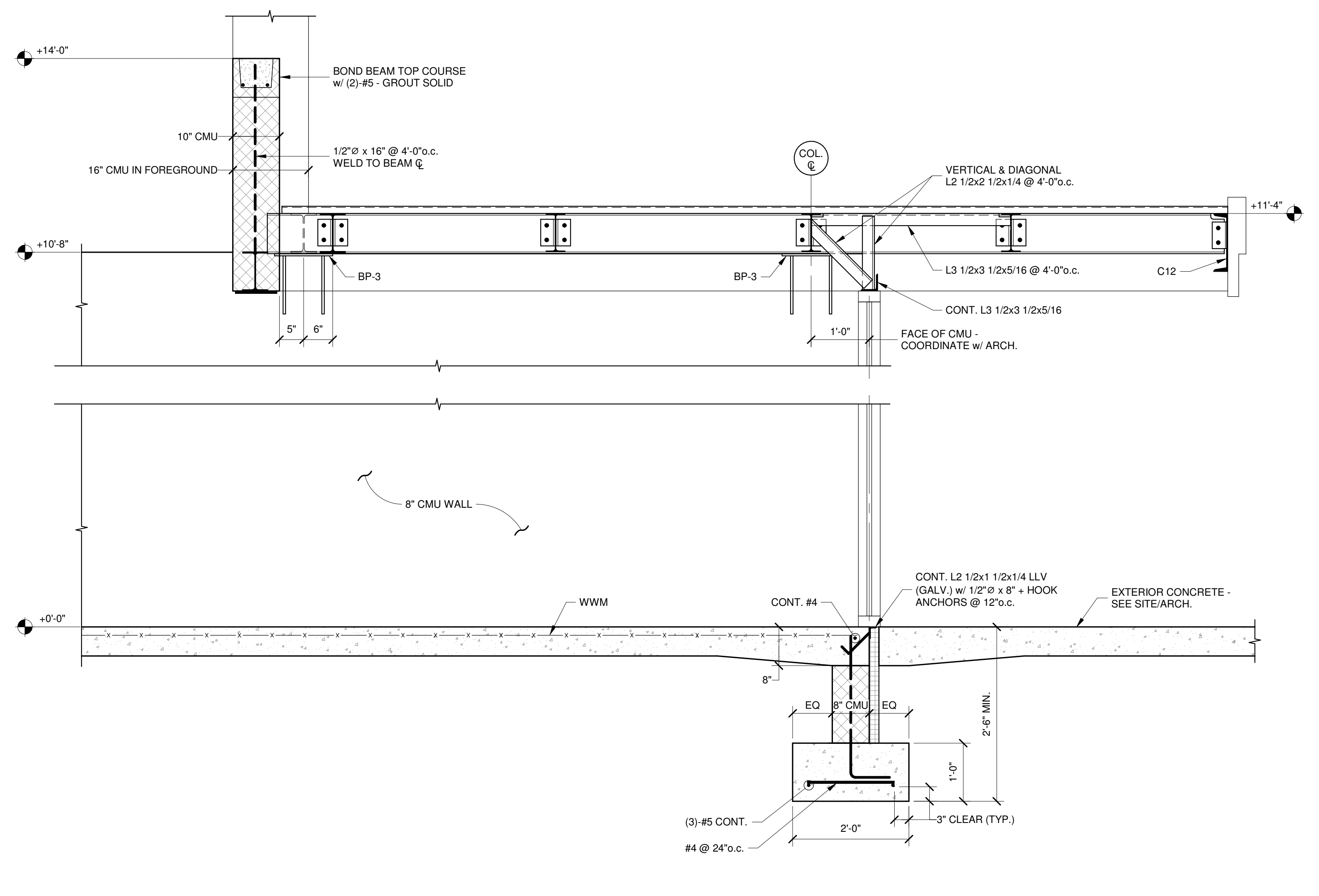
SECTION 6
 S402
 3/4" = 1'-0"



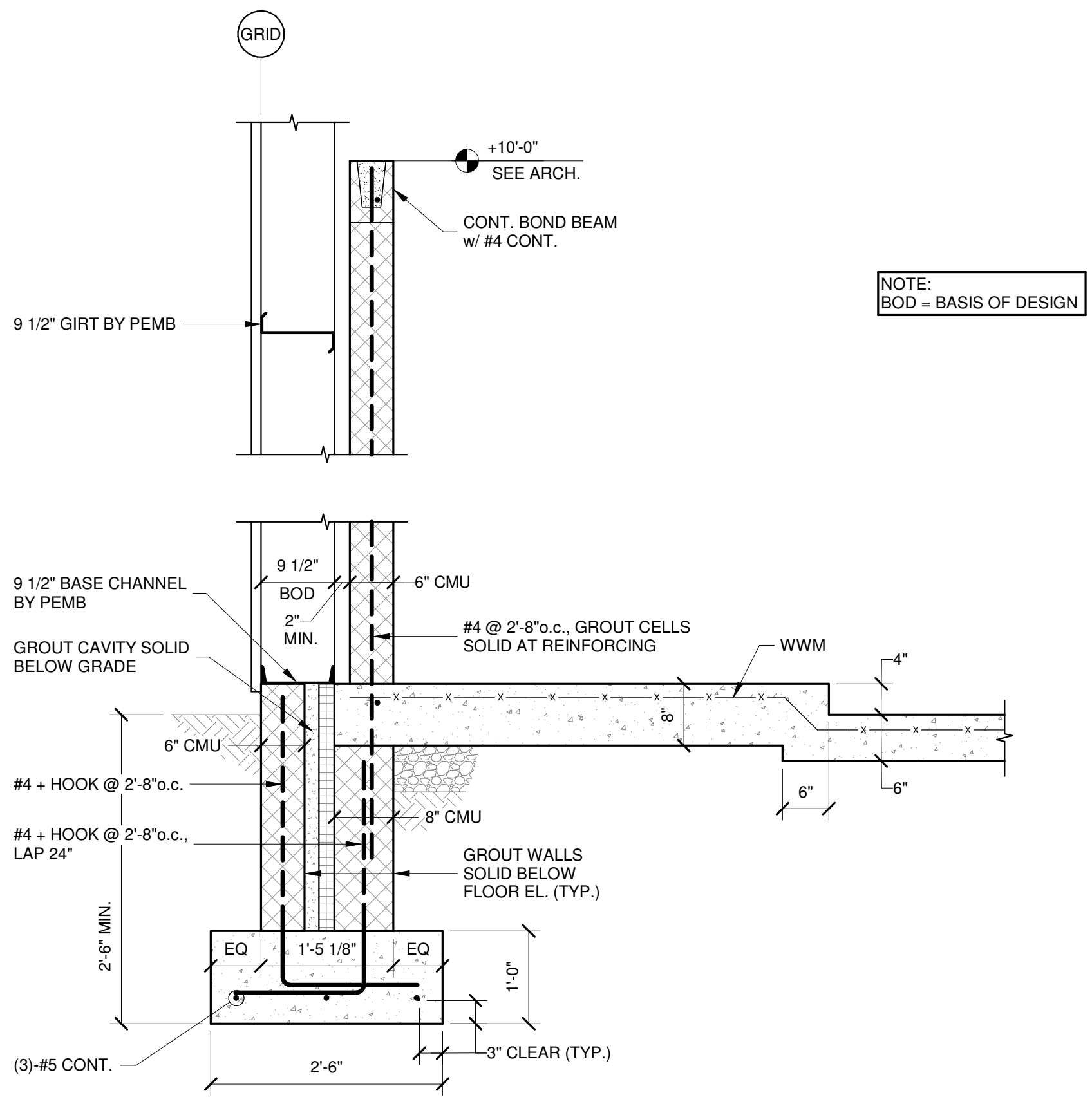
SECTION 4
 S402
 3/4" = 1'-0"



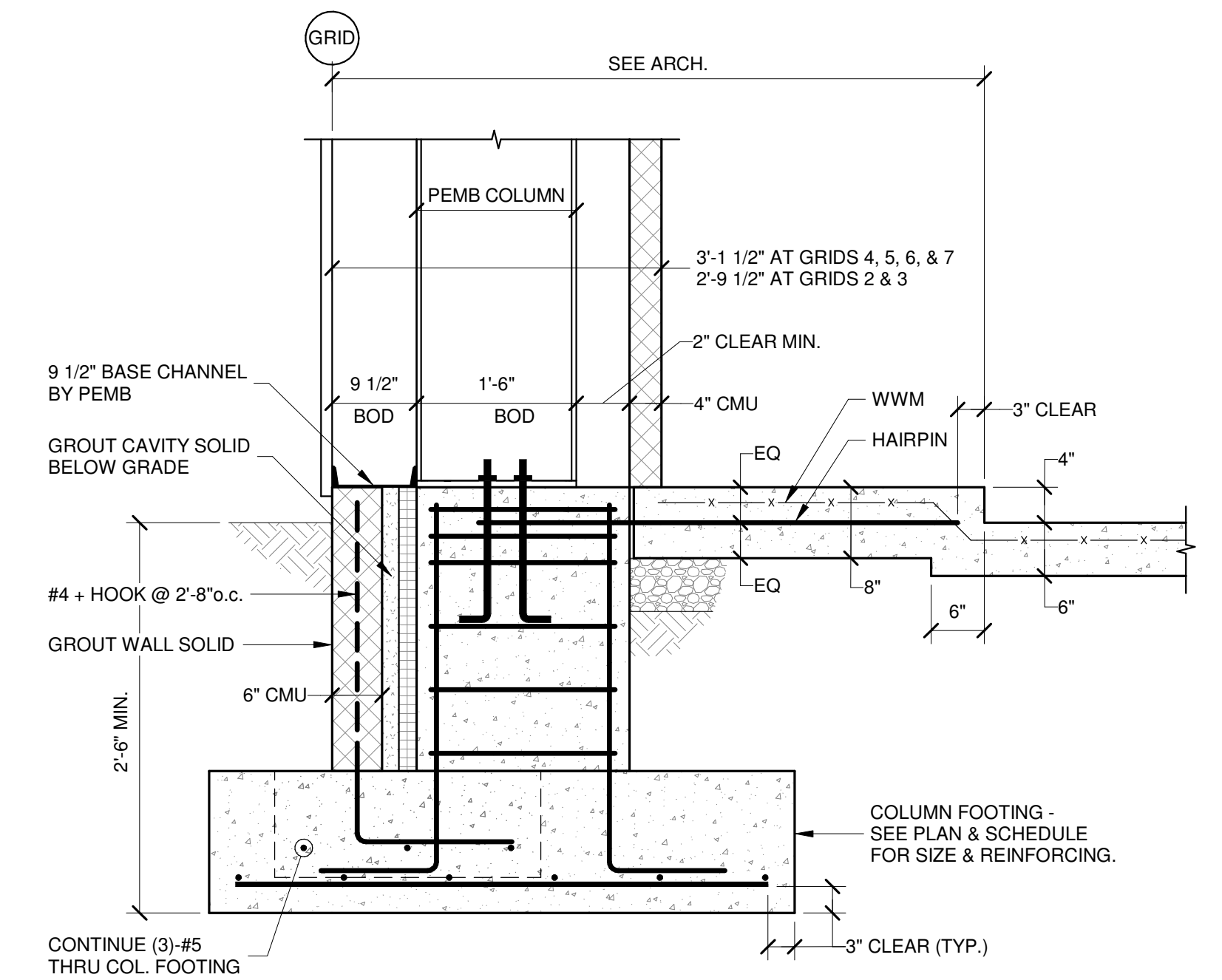
SECTION 7
 S402
 3/4" = 1'-0"



SECTION 3
 S402
 3/4" = 1'-0"



SECTION 1
 S402
 3/4" = 1'-0"



SECTION 2
 S402
 3/4" = 1'-0"

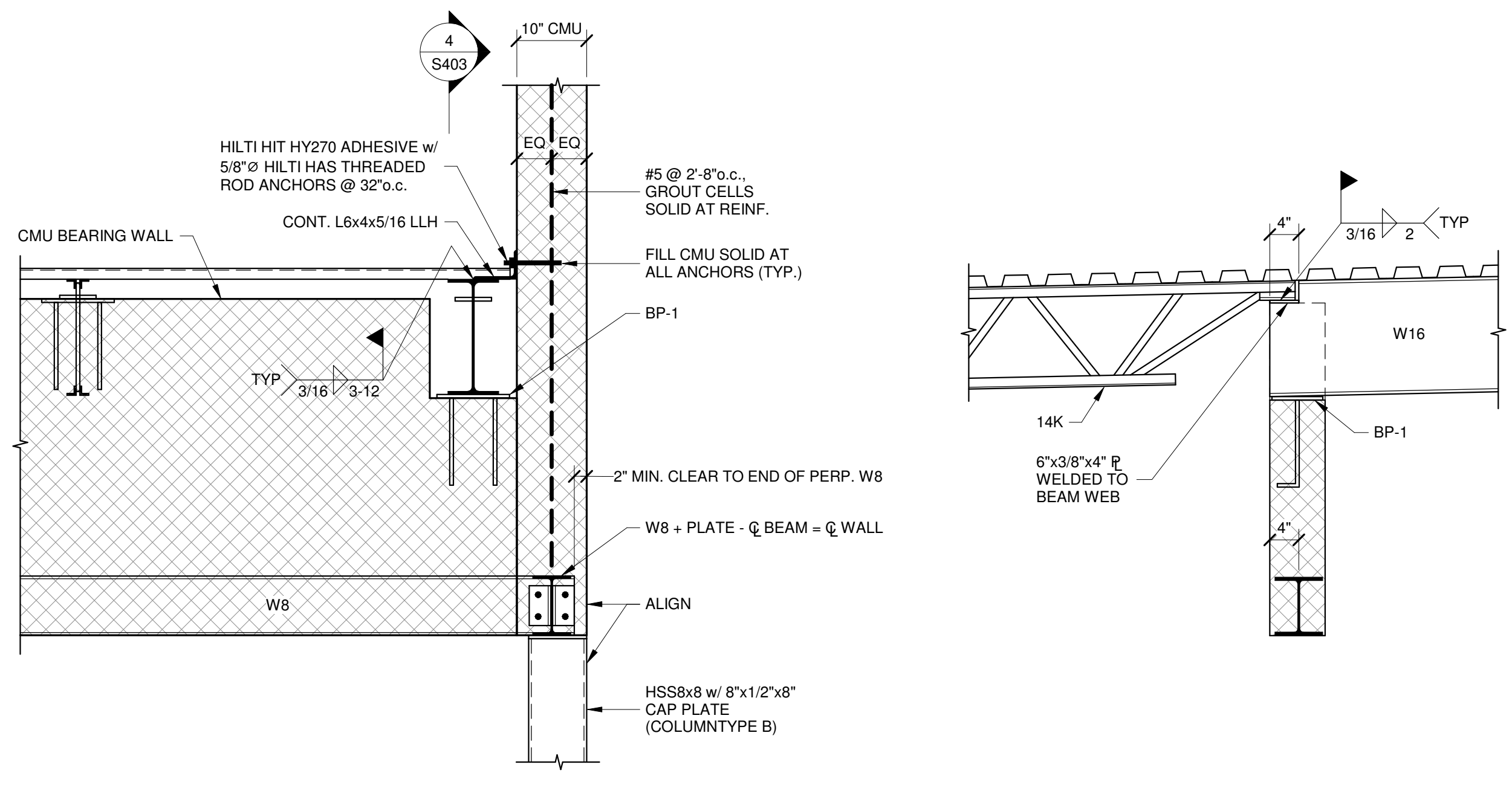
SEAL:
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 12729
EXPIRATION DATE: 12/07/2021

CONSULTANT:
MANI PATEL, M.P.E., INC.
Consulting Structural Engineers
MPM
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

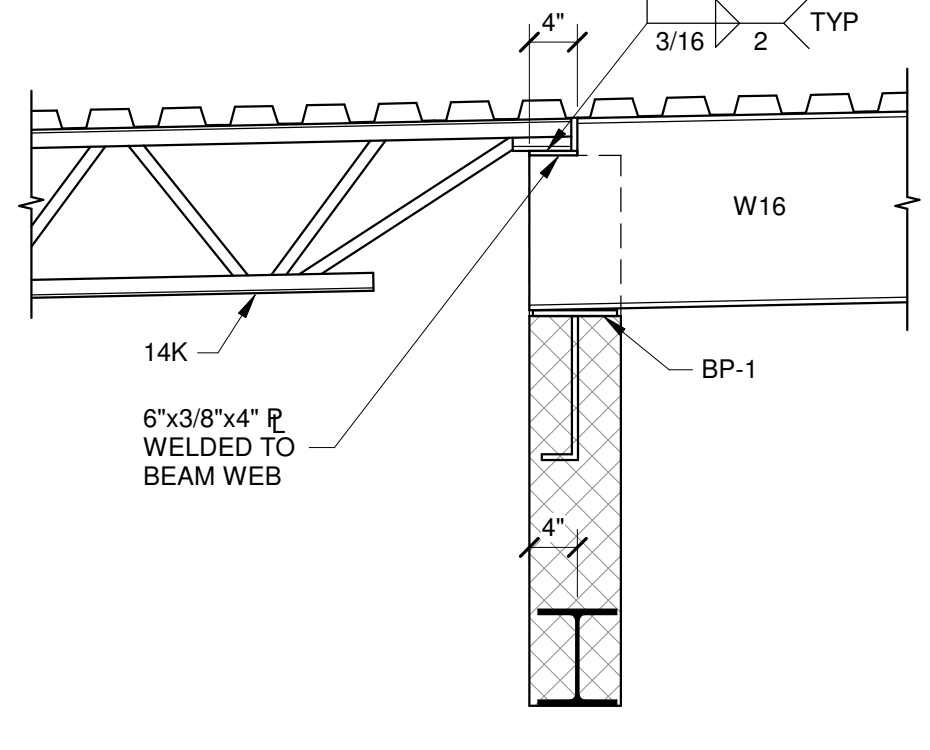
CHARLES COUNTY ANIMAL SHELTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT PERMIT		
DATE	12/23/2019	
DRAWING SECTIONS		
SHEET	S403	

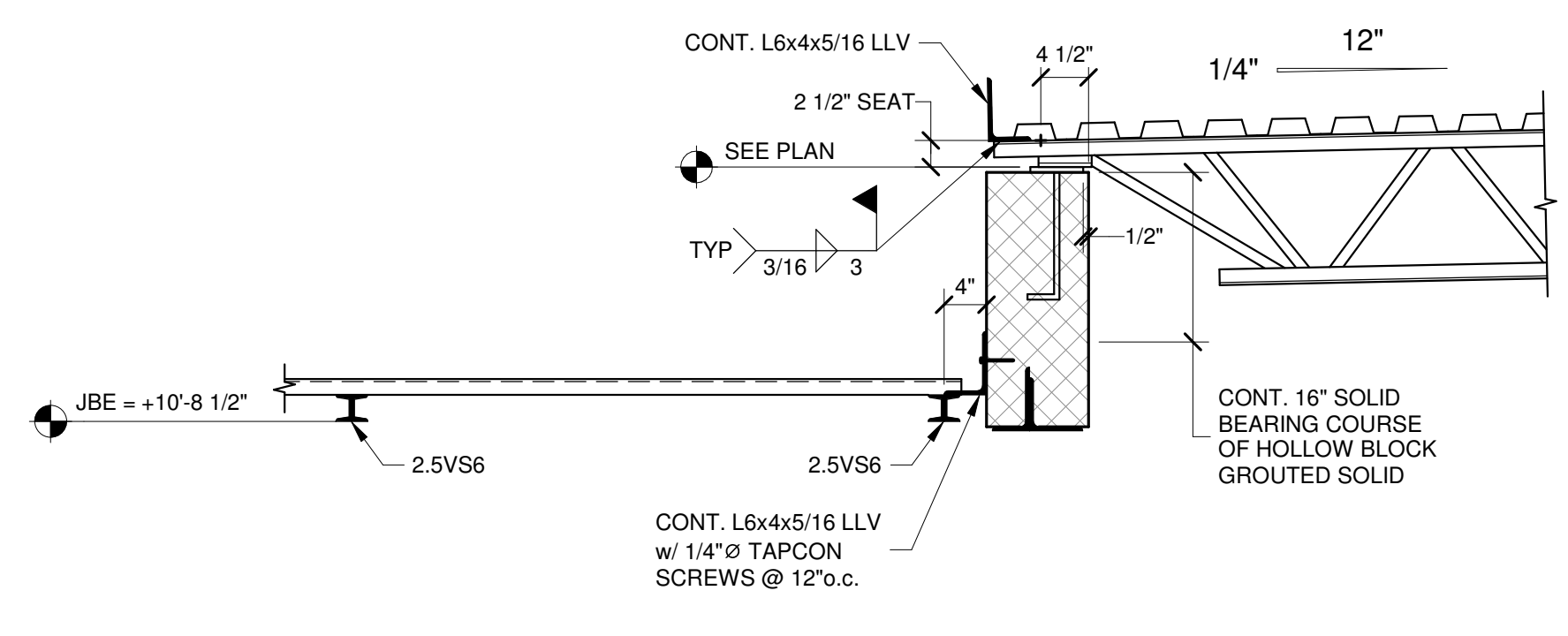
12/20/2019 4:46:48 PM



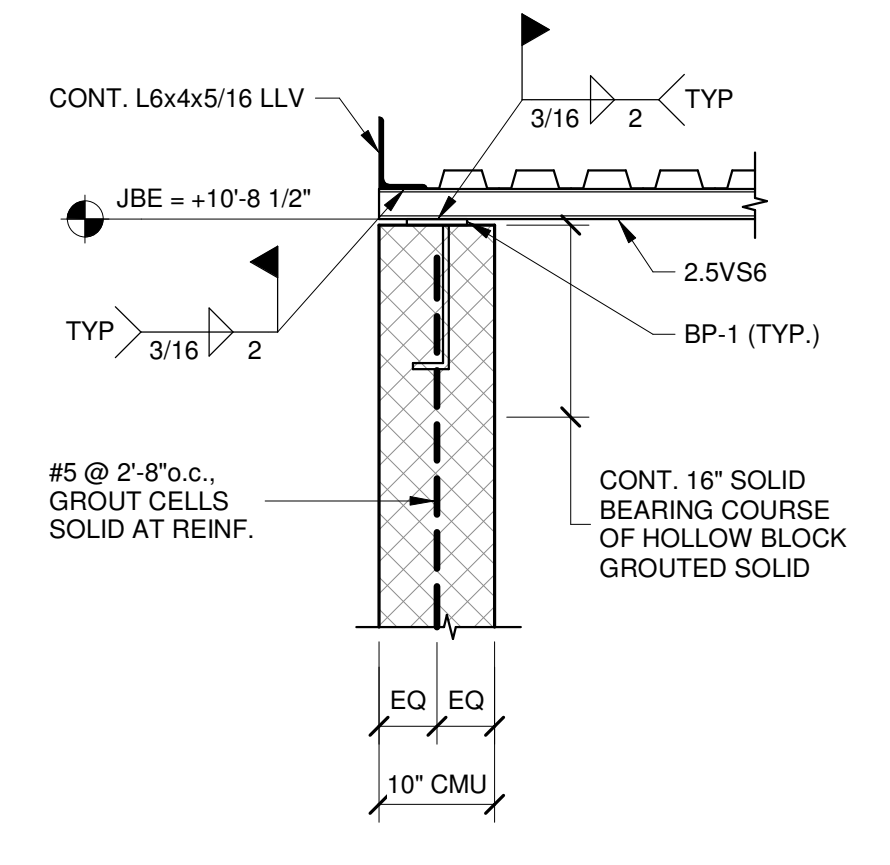
SECTION **3**
S403 3/4" = 1'-0"



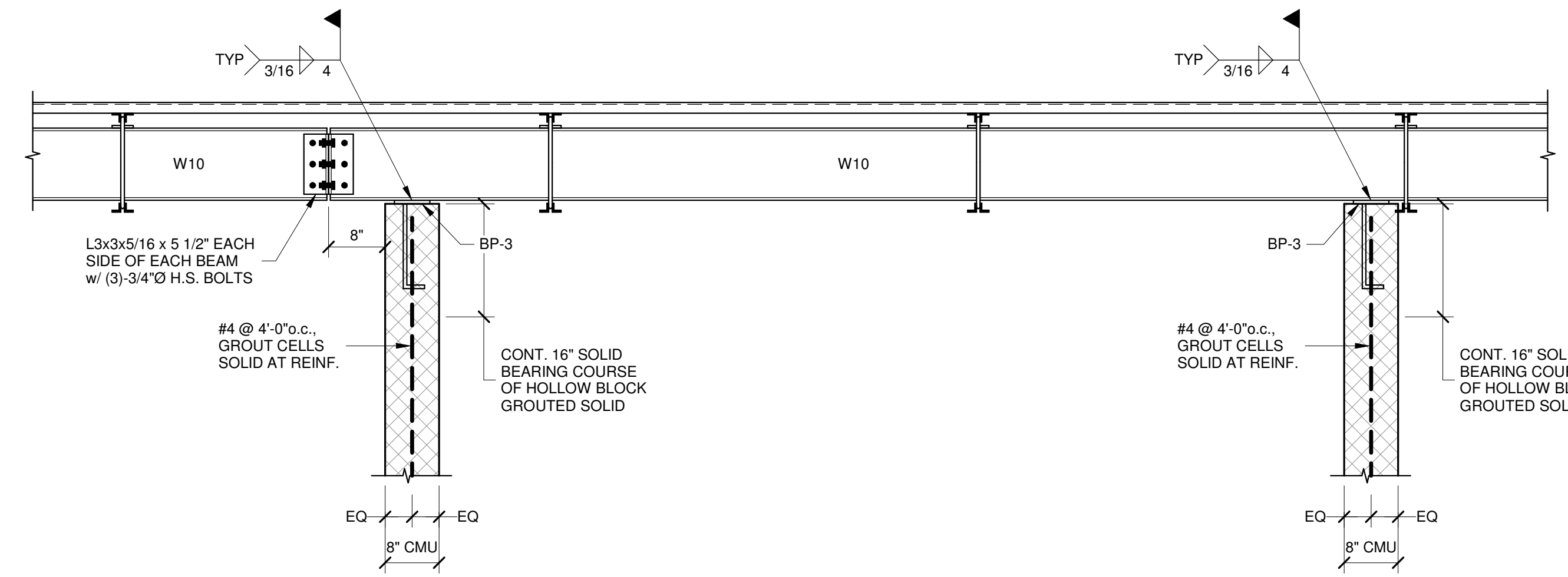
SECTION **4**
S403 3/4" = 1'-0"



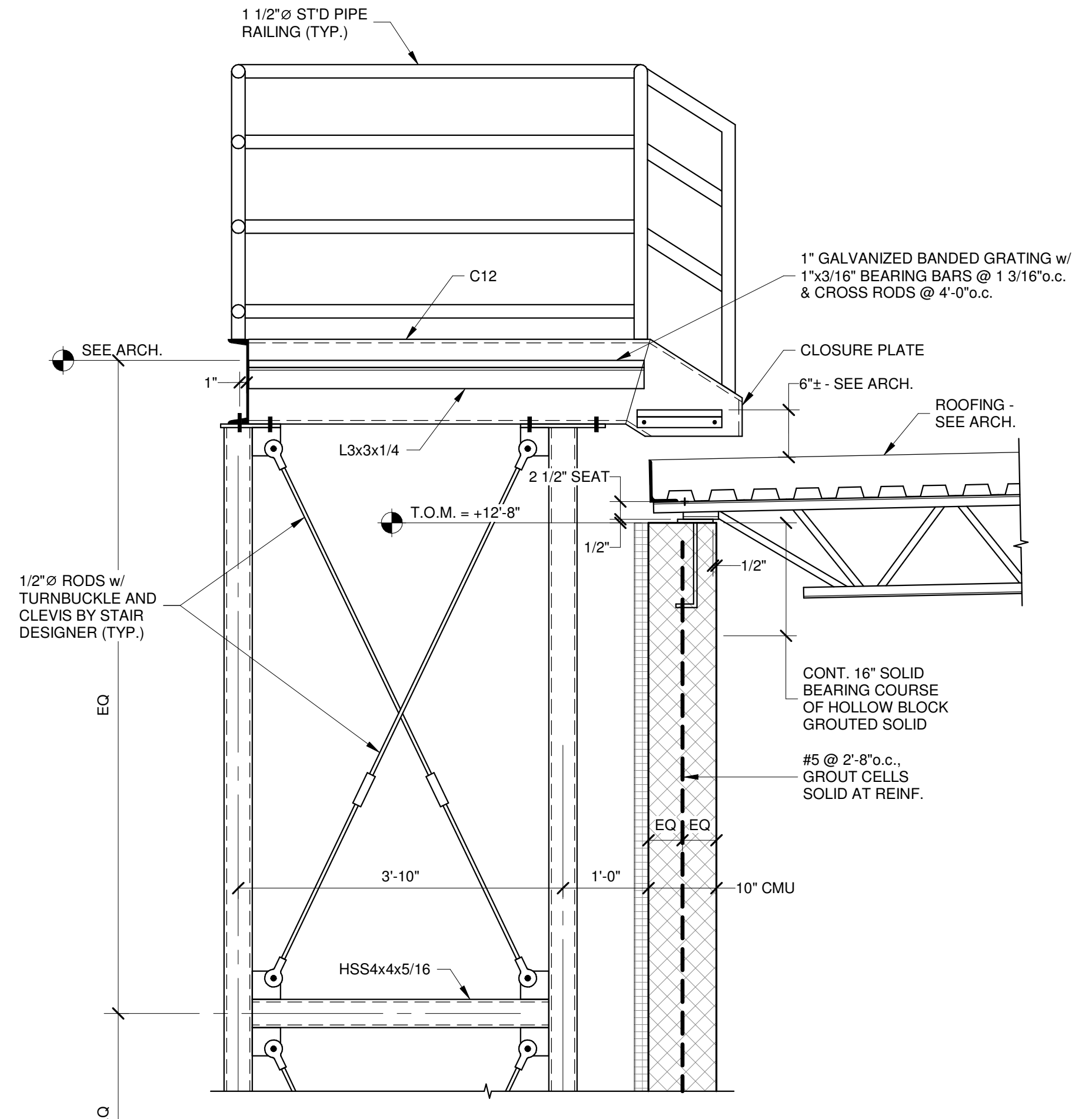
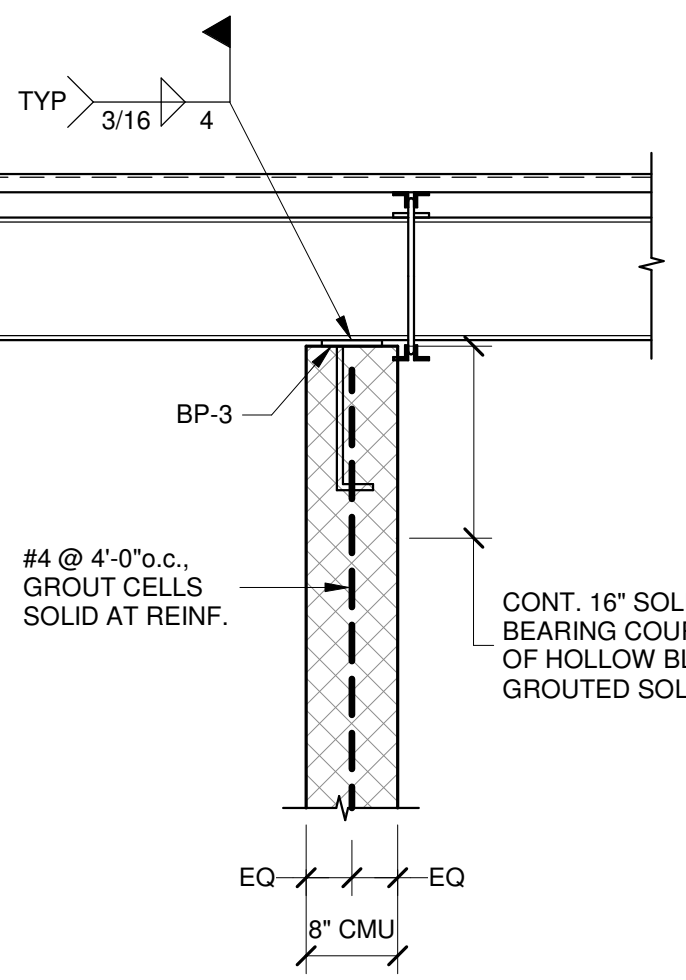
SECTION **5**
S403 3/4" = 1'-0"



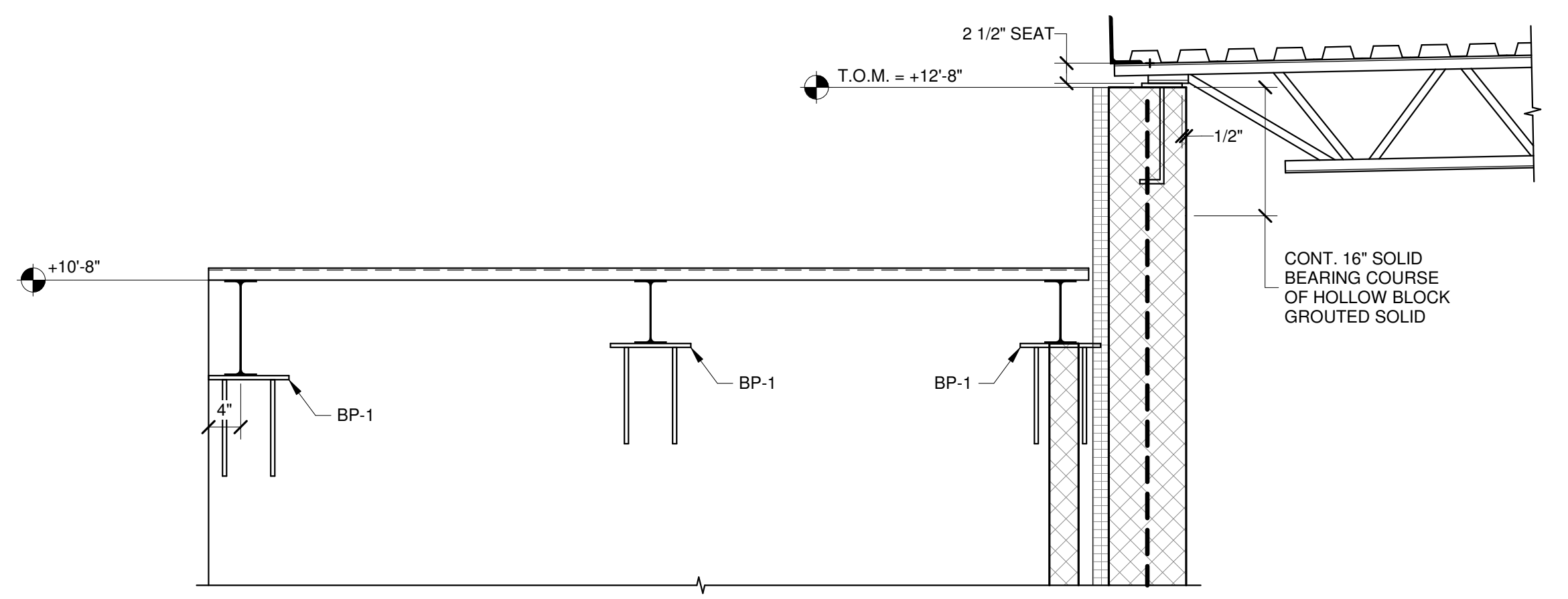
SECTION **6**
S403 3/4" = 1'-0"



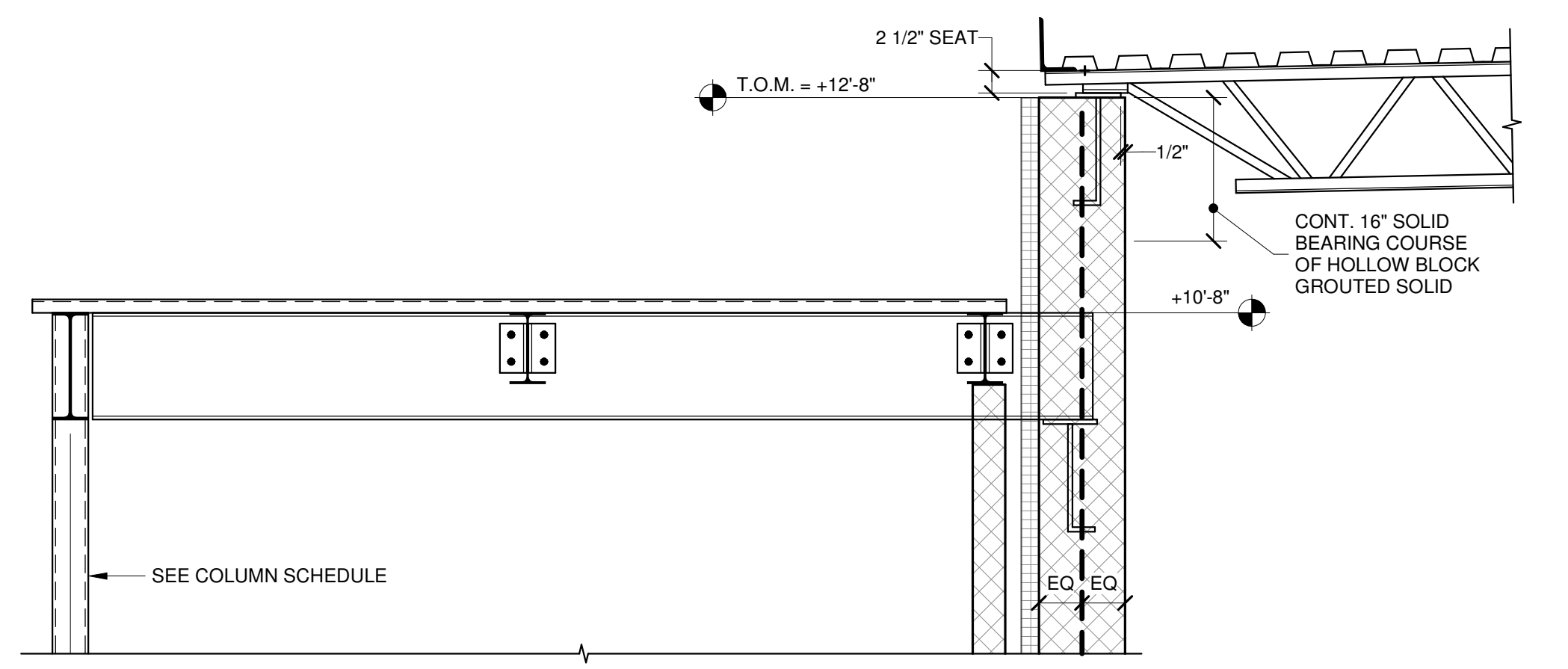
SECTION **7**
S403 3/4" = 1'-0"



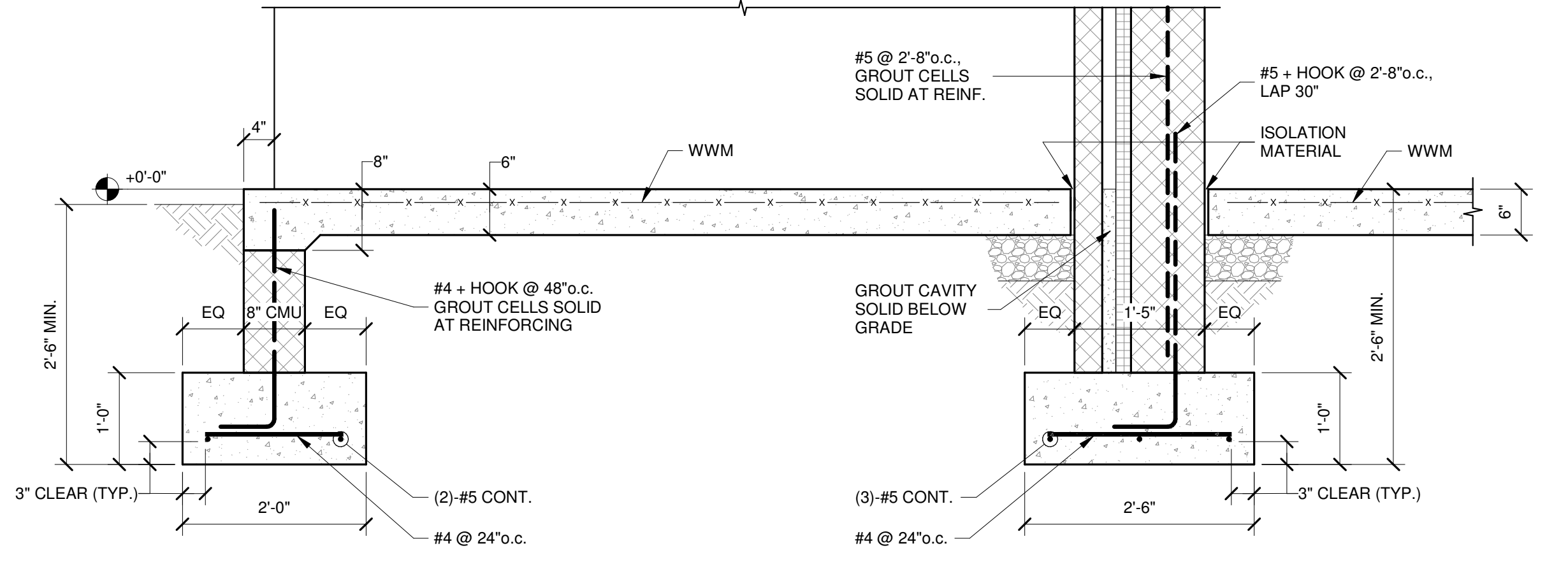
SECTION **9**
S403 3/4" = 1'-0"



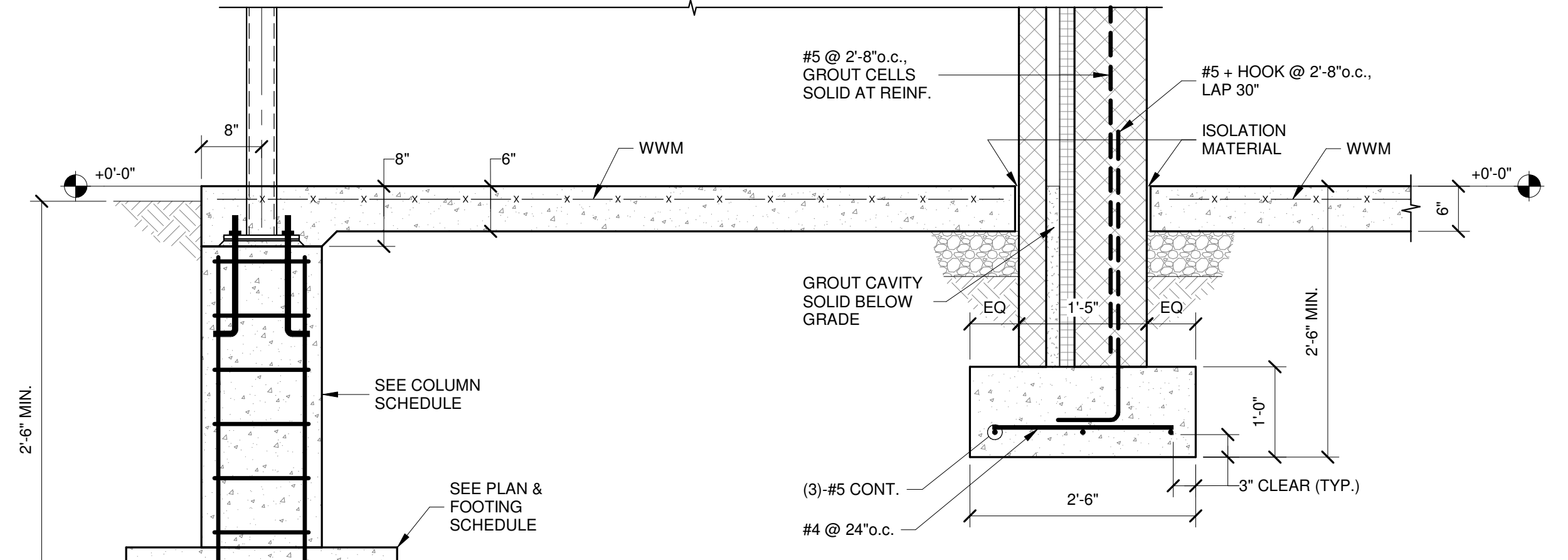
SECTION **10**
S403 3/4" = 1'-0"



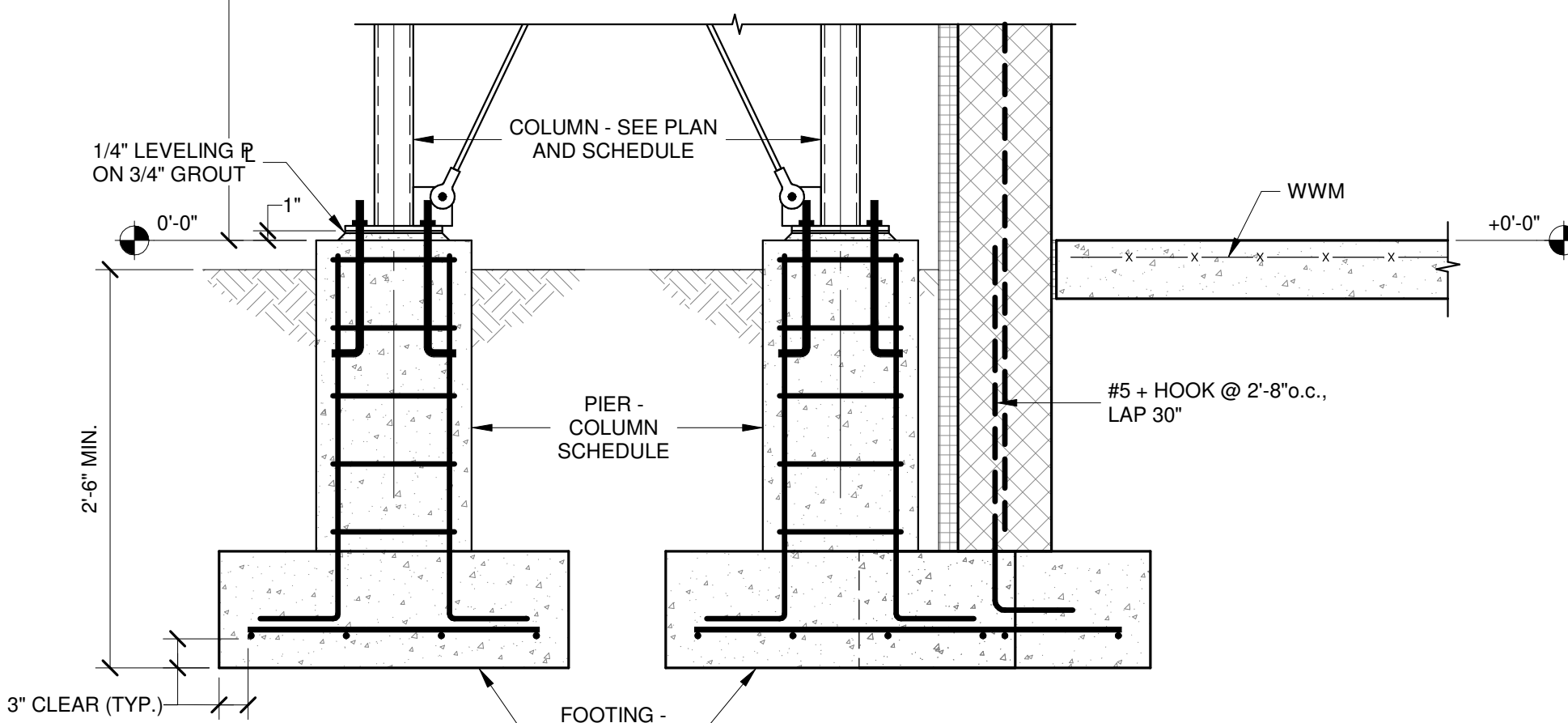
SECTION **11**
S403 3/4" = 1'-0"



SECTION **12**
S403 3/4" = 1'-0"



SECTION **13**
S403 3/4" = 1'-0"



SECTION **14**
S403 3/4" = 1'-0"

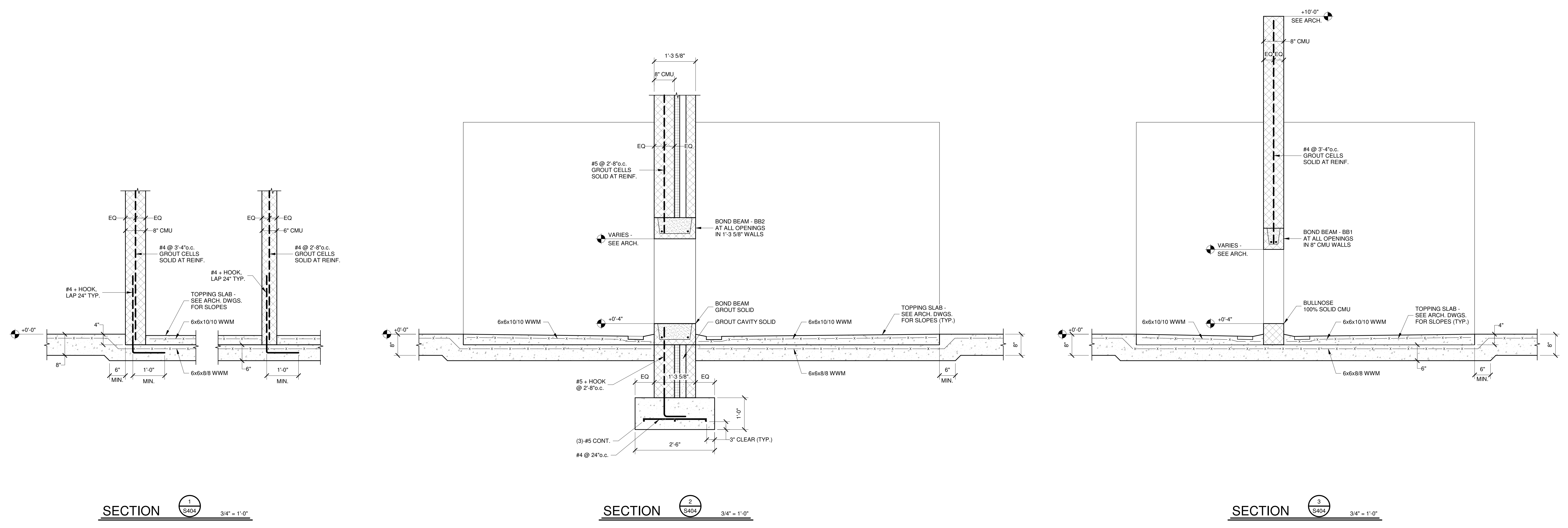
SEAL:

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM
A FULLY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MARYLAND.
LICENSE No.: 12729
EXPIRATION DATE: 12/31/2021

CONSULTANT:
MANN, PATEL, MILANO, INC.
Civil & Structural Engineers
MPM
6511 Harford Road
Baltimore, Maryland 21214
Telephone: (410) 254-7600

CHARLES COUNTY
CHARLES COUNTY ANIMAL SHELTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
PROJECT	18-034	
PROJECT	PERMIT	
DATE	12/23/2019	
DRAWING	SECTIONS	
SHEET	S404	

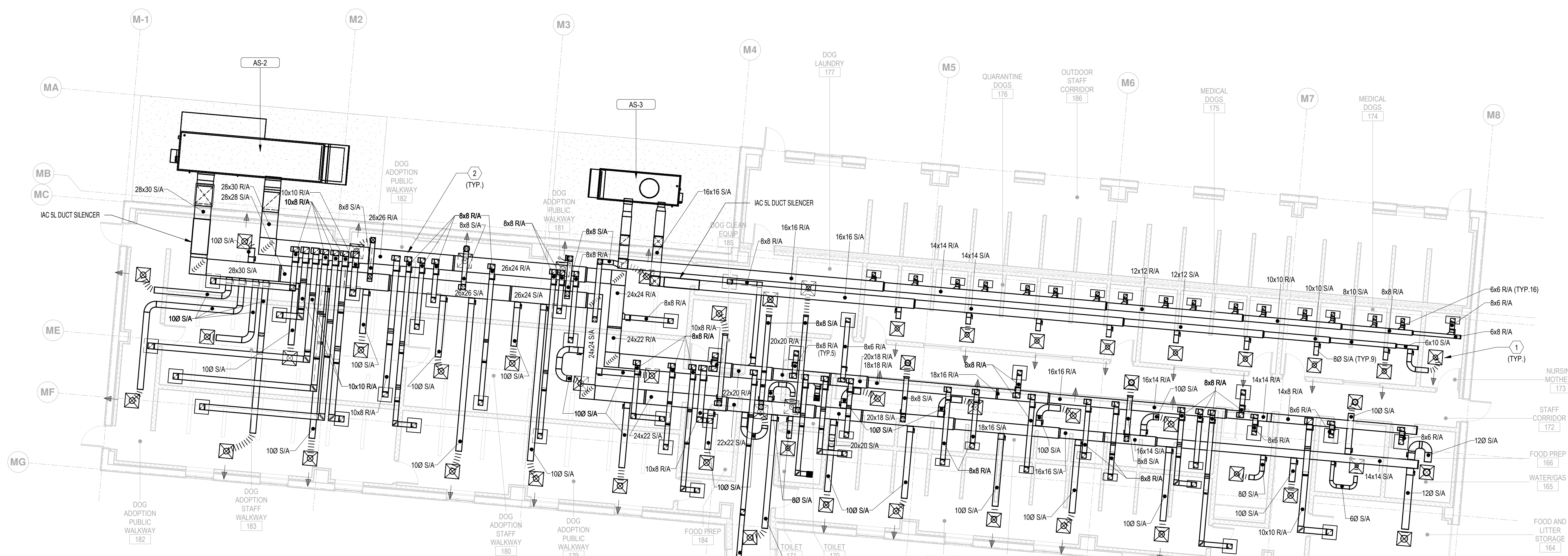


12/20/2019 4:46:49 PM

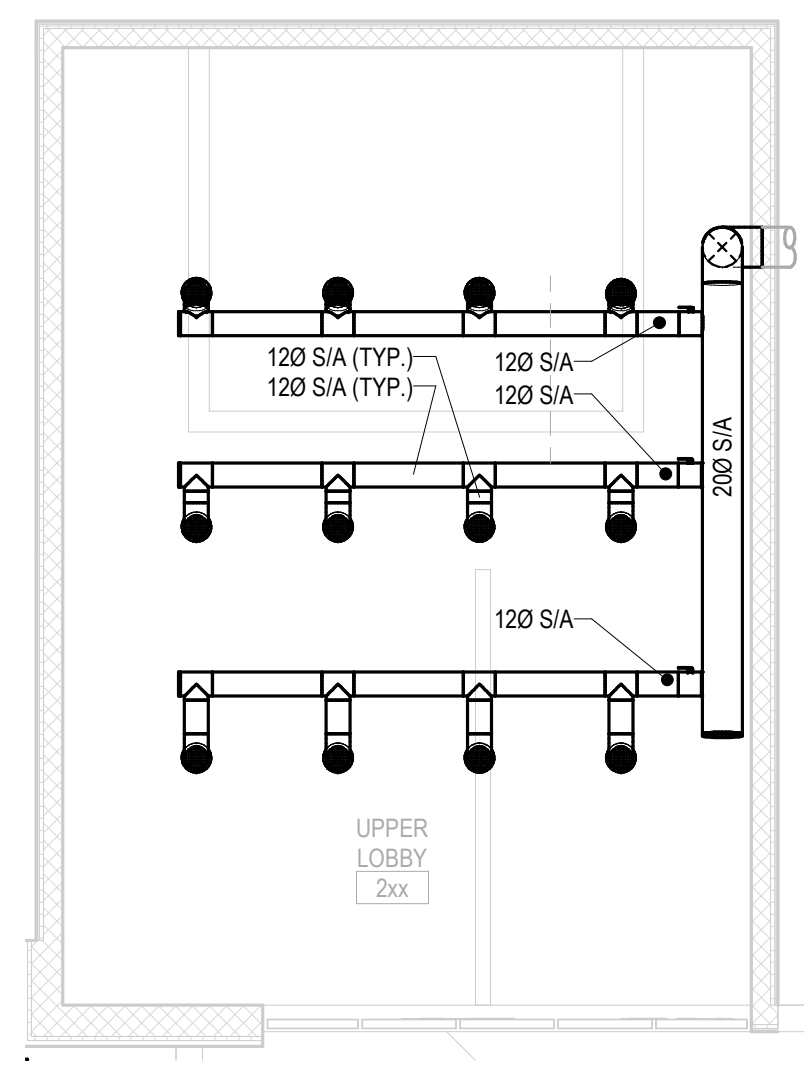
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E. AND THAT I AM A QUALIFIED LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

- KEYNOTES**
- 1 IN DOG KENNEL AREAS, PROVIDE ONE WAY THROW AIR TERMINALS. AIRFLOW SHALL BE DIRECTED OPPOSITE OF THE KENNELS. SEE AIR TERMINAL ARROWS ON DRAWING.
 - 2 AS-2 RETURN DUCTWORK SHALL HAVE TAKEOFFS OFF THE TOP OF MAIN RETURN DUCT. INSTALL DUCTWORK ALIGNED WITH ROOF SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS.



2 HVAC NEW WORK PLAN - UPPER LOBBY
1/8" = 1'-0"



3 TYPICAL FOR ALL EQUIPMENT DROP/TRANSITIONS
1/4" = 1'-0"

1 HVAC NEW WORK PLAN - FIRST FLOOR
1/8" = 1'-0"

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
HVAC NEW WORK PLAN

SHEET NUMBER:
M101

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

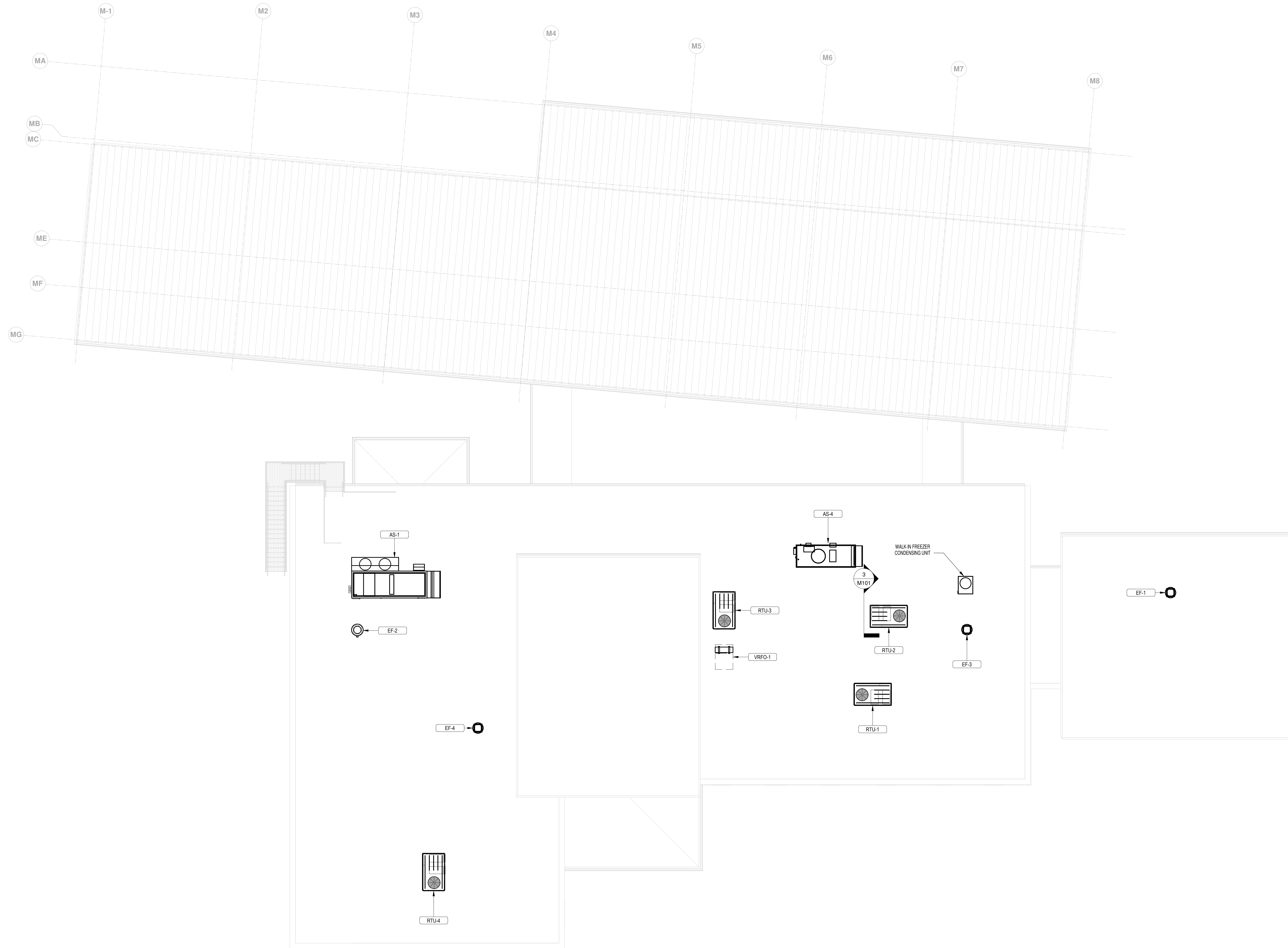
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
LOW ROOF HVAC PLAN

SHEET NUMBER:
M102

12/19/2019 4:48:34 PM



1 HVAC NEW WORK - ROOFTOP
1/8" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

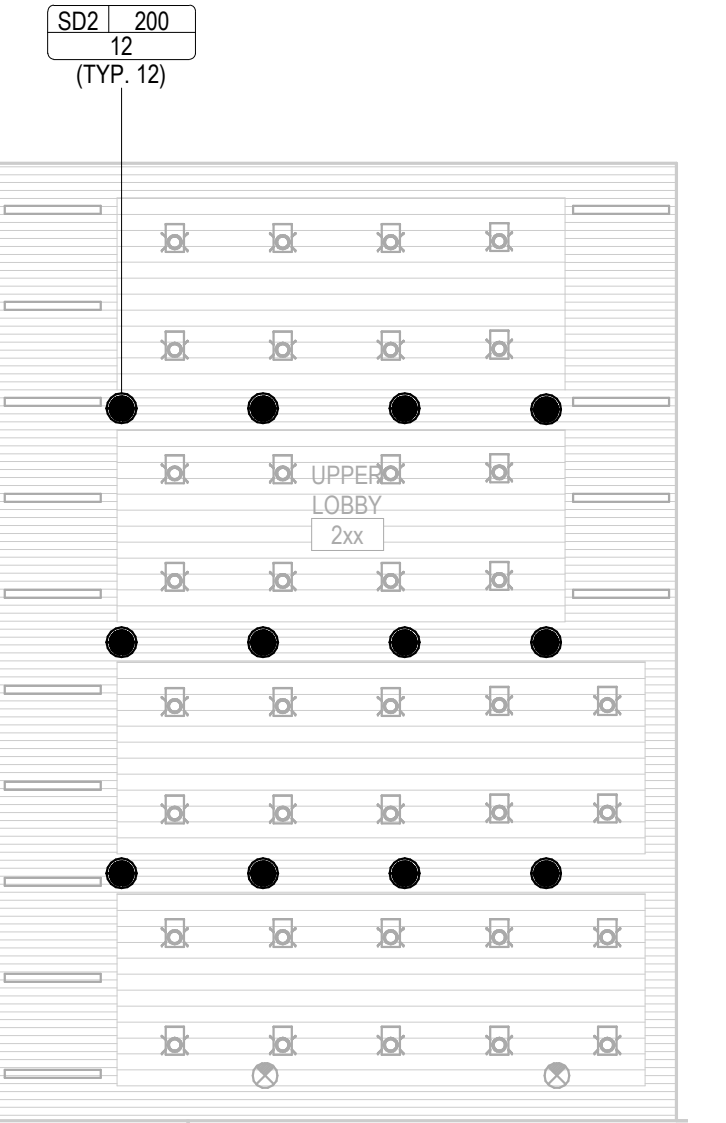
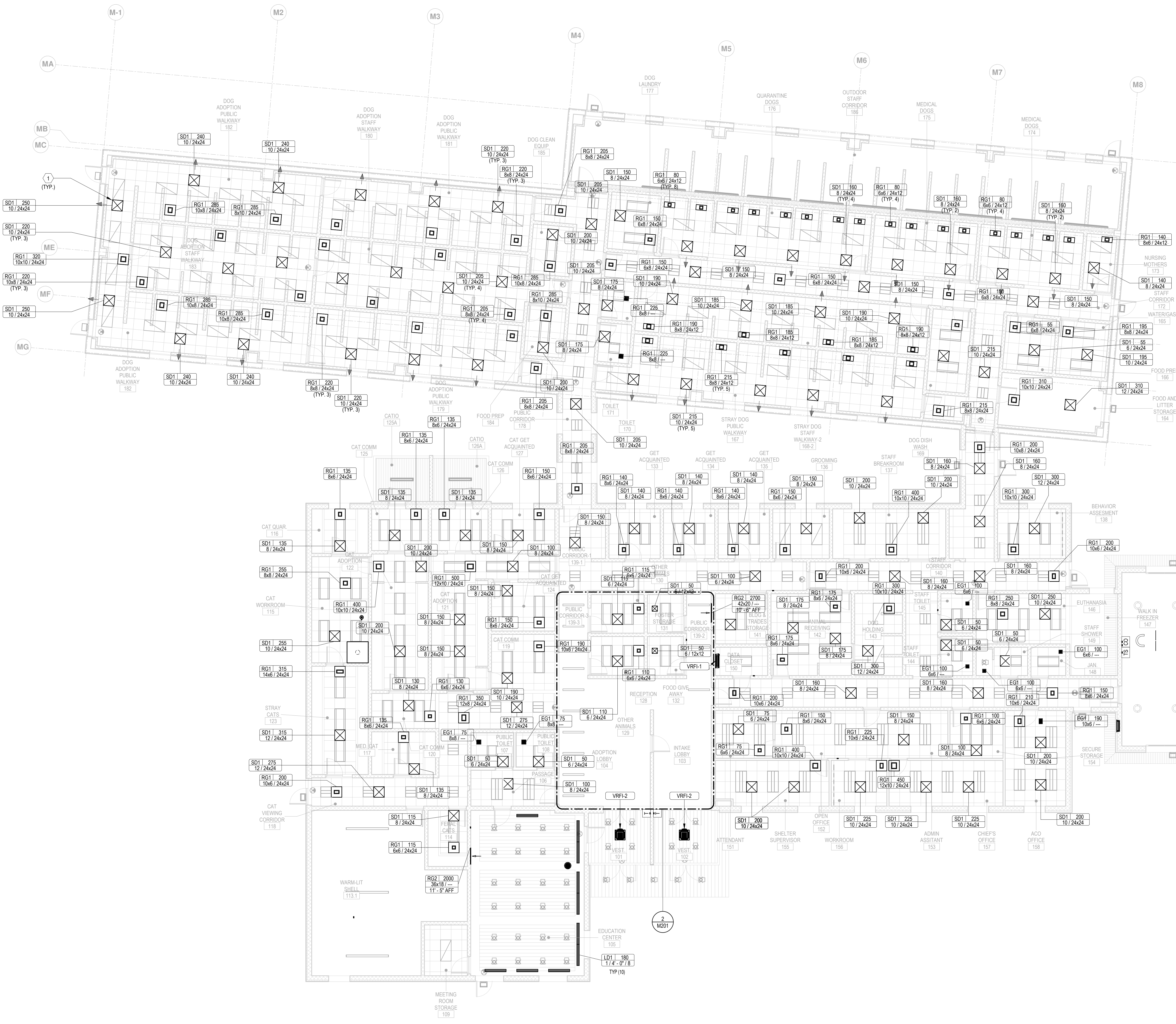
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: HVAC REFLECTED CEILING PLAN
SHEET NUMBER: **M201**

12/19/2019 4:43:41 PM

KEYNOTES
1 IN DOG KENNEL AREAS, PROVIDE ONE WAY THROW AIR TERMINALS. AIRFLOW SHALL BE DIRECTED OPPOSITE OF THE KENNELS. SEE AIR TERMINAL ARROWS ON DRAWING.



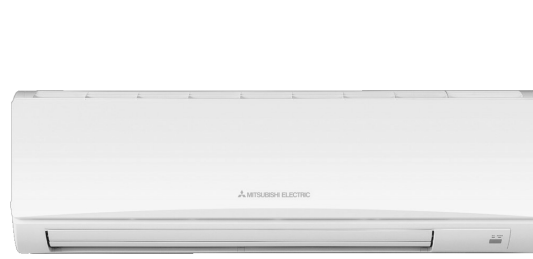
2 REFLECTED CEILING PLAN - UPPER LOBBY
1/8" = 1'-0"

1 REFLECTED CEILING PLAN - FIRST FLOOR
1/8" = 1'-0"

VRFI-1

CITYMULTI® Model: PKFY-P24NKMU-E2 MITSUBISHI ELECTRIC

Job Name: Schedule Reference: Date:



GENERAL FEATURES

- Dual set point functionality
• Compact, lightweight, sliver-white, flat-panel design
• Quiet operation
• Multiple fan speed settings
• Intake grille filter is easily removed for cleaning
• Wireless receiver on board

OPTIONS

- Condensate Pump
• CN24 Relay Kit

SPECIFICATIONS

Table with columns for Capacity, Power, External Dimensions, Net Weight, Coil Type, Fan, Refrigerant Piping Dimensions, and Sound Pressure Levels.

*Cooling / Heating capacity indicated at the maximum value of operation under the following conditions: Cooling / Heating 85° F (29° C) DB / 67° F (19° C) WB, Outdoor 95° F (35° C) DB / Heating / Indoor 70° F (21° C) DB, Outdoor 47° F (8° C) DB / 47° F (8° C) WB

Notes:

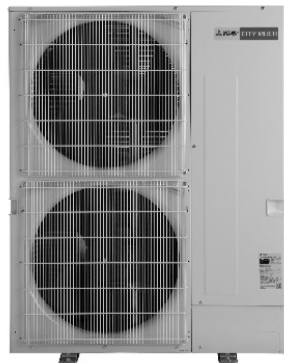
Specifications are subject to change without notice. © 2018 Mitsubishi Electric US, Inc.

VRFO-1

CITYMULTI® MODEL: PUMY-P48NKMU2-(BS) MITSUBISHI ELECTRIC

Job Name: System Reference: Date:

OUTDOOR VRF SYSTEM



UNIT OPTION

- Standard Model (PUMY-P48NKMU2)
• Basecast «BS» Model (PUMY-P48NKMU2-BS)

FEATURES

- Connects up to 12 indoor units
• Single phase outdoor unit with Variable Refrigerant Flow Zoning (VRF) technology
• Service accessible through both a front and side panel
• Up to 80 ft. of total pipe length
• ENERGY STAR® certified units
• Improved efficiency

ACCESSORIES

- Joint Kit (for details see Pipe Accessories Submittal)
• Header Kit (for details see Pipe Accessories Submittal)
• Air Outlet Guide (One Piece)® (PAC-SHG85-E)
• Front Wind Baffle (One Piece)® (WB-PA3)
• Drain Pan (PAC-SH7DP-E)
• Drain Sockel (PAC-SG61DS-E)
• Base Pan Heater (PAC-SJ20B-E)
• Air Deflector Vertical (ADV-1)
• X 18" QUICK SLUNG EQUIPMENT STAND

*ENERGY STAR products are independently certified by an EPA-recognized Certification Body. †PUMY requires two outlet guides and wind baffles for installation.

Specifications are subject to change without notice.

© 2019 Mitsubishi Electric Trade HVAC US LLC

SPECIFICATIONS: PUMY-P48NKMU2-(BS)

Table with columns for Capacity, Operating Temperature Range, External Dimensions, Net Weight, Electrical Power Requirements, Minimum Circuit Ampacity, Maximum Overcurrent Protection, Recommended Fuse Size, Short-circuit Current Rating, Piping Diameter, Indoor Unit, Fan Type x Quantity, Fan Motor Output, Airflow Rate, Compressor Operating Range, Compressor Type x Quantity, Compressor Motor Output, Sound Pressure Level, Refrigerant, Lubricant, Protection Devices, and AHRB Ratings.

*Cooling / Indoor 81° F (27° C) DB / 66° F (19° C) WB, Outdoor 95° F (35° C) DB
†Heating / Indoor 68° F (20° C) DB, Outdoor 45° F (7° C) DB / 47° F (8° C) WB
‡When using Wind Baffles (WB-PA3), the minimum operating range is 5° F. Without Wind Baffles, the minimum operating range is 23° F.
§When connecting PFPY-P08B/MUP08B/PAU, PFPY-P06B/12NEMU or PFPY-P06B/12NRMU indoor units, the minimum operating range is 50° F.
¶PUMY requires two outlet guides and wind baffles for installation.

Specifications are subject to change without notice.

© 2019 Mitsubishi Electric Trade HVAC US LLC

GAS FIRED RADIANT HEATER SCHEDULE

Table with columns for Identify Mark, Count, Description, Manufacturer, Model, Heating Input, Minimum Inlet Pressure, Maximum Inlet Pressure, Voltage, Number of Poles, Frequency, Full Load Amps, and Type Comments.

NOTES:

- 1. INCLUDE COMPLETE SYSTEM, BURNER/PUMPS CONTROL PANEL MOUNTING HARDWARE
2. TUBING SHALL BE HEAT TREATED ALUMINIZED OR HOT ROLLED STEEL AS INDICATED ON PLAN DRAWINGS.
3. ALL BURNERS SHALL HAVE COMBUSTION/AIRAKE FILTERS.
4. PROVIDE 120V, 20 AMP SYSTEM CONTROL PANEL, MANUFACTURER MODEL #R277002 AND RECOMMENDED 24 VOLT THERMOSTATS.

ELECTRIC UNIT HEATER SCHEDULE

Table with columns for Identify Mark, Manufacturer, Model, Count, Total Heating Capacity, Voltage, Phase, Frequency, and Type Comments.

EXHAUST FAN SCHEDULE

Table with columns for Type Mark, MFG, MODEL, AIRFLOW, Specific Product Description, Config Total Static Pressure, Volts SP, Frequency, Design Total Power, Phase Number, Motor Speed, Inlet Sizes, Unit Weight, and Type Comments.

EF-1, 3, 4 NOTES:

- Motor - Var Green EC motor
Control - Dial for balancing
ULCU, T85 Listed - "Power Ventilators"
Switch - NEMA-3R, Toggle, Motorized Junction Box Mounted & Wired Hinged Base (Attached)
Foam Curt Seal (Attached)
Damper Shipped Loose, BD-100-PB-12X12, Gravity Operated, Not Coated
Hood Hases
Stainless Steel Fasteners - 300 Series
Birdscreen: Galvanized
W/ROOF CURB

EF-5 NOTES:

- Motor - Var Green EC motor
Control - 0-10VDC Input (Future BAS integration)
Control - Dial for balancing
ULCU, T85 Listed - "Power Ventilators"
Switch - NEMA-3R, Toggle, Motorized Junction Box Mounted & Wired Hinged Base (Attached)
Foam Curt Seal (Attached)
Damper Shipped Loose, BD-100-PB-10X10, Gravity Operated, Not Coated
Hood Hases
Stainless Steel Fasteners - 300 Series
Birdscreen: Galvanized
W/ROOF CURB

HOOD SCHEDULE

Table with columns for TAG, MODEL, MAX. COOKING TEMP., TOTAL EXH. CFM, WIDTH, LENGTH, HEIGHT, MOUNTING HEIGHT ABOVE FLOOR, HOOD FIELD WRAPPER HEIGHT, EXHAUST DUCT DIA, CFM, VEL, S.P., HOOD CONSTRUCTION, FIRE SYSTEM PIPING, HOOD HANGING WEIGHT.

LOUVER SCHEDULE

Table with columns for Type Mark, Manufacturer, Model, Description, Height, Width, Depth, Air Flow, Free Area, Free Area Velocity, and Type Comments.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

Table with columns for ID, DESCRIPTION, MANUFACTURE, MODEL, QTY, MATERIAL, FINISH, and NOTES.

VRFI-2

CITYMULTI® MODEL: PLFY-P15NFMU-E MITSUBISHI ELECTRIC

Job Name: System Reference: Date:



GENERAL FEATURES

- Square edge, sleek design
• 3D iSee Sensor™ available as an option
• Improved installation features*
• Occupancy detection†
• Energy saving features†
• Improved occupant comfort
• Four fan speed settings including auto-fan
• Individual zone settings
• 2" x 2" size matches size of many ceiling tiles
• Corner pocket design for unimpeded installation
• Built-in condensate #18 mechanism designed to provide up to 33' of lift
• Ventilation air intake supported

SPECIFICATIONS: PLFY-P15NFMU-E

Table with columns for Model, PLFY-P15NFMU-E, Nominal Capacity, Cooling, Heating, Electrical, Minimum Circuit Ampacity, Recommended Fuse Size, External Dimensions, Unit, Girth, Net Weight, Coil Type, Fan, Air Filter, Refrigerant Piping Diameter, and Field Drain Pipe Size.

*Cooling / Heating capacity indicated at the maximum value of operation under the following conditions: Cooling / Indoor 81° F (27° C) DB / 66° F (19° C) WB, Outdoor 95° F (35° C) DB / Heating / Indoor 70° F (21° C) DB, Outdoor 48° F (9° C) DB / 47° F (8° C) WB

Specifications are subject to change without notice.

© 2018 Mitsubishi Electric Trade HVAC US LLC

ACCESSORIES: PLFY-P15NFMU-E

Table with columns for Grille (required), Grille with 3D iSee Sensor, Corner Panel with 3D iSee Sensor, Signal Receiver Corner Panel, Wireless Remote Controller, Wireless Remote Receiver, Wireless MA Controller, Simple MA Controller, Smart MA Controller, Wireless Remote Sensor, Thermostat Interface, Wireless Interface, Connector cable for remote display, Connector for CN22 (remote control), Remote Operation Adapter, External Fan / Heater Control Relay Adapter, Drain Pan Level Sensor, and Grille (not required).

† Unable to use with wireless remote controller.

Specifications are subject to change without notice.

© 2018 Mitsubishi Electric Trade HVAC US LLC

*Requires a PAR-33MAA-J controller.

Specifications are subject to change without notice.

© 2018 Mitsubishi Electric Trade HVAC US LLC



10839-D PHILADELPHIA RD WHITE MARSH, MD 21162

(P) 410-344-1460 (F) 443-423-2460 (E) INFO@MWSARCH.COM WWW.MWSARCH.COM

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021



CONSULTANT:

CHARLES COUNTY ANIMAL CARE CENTER CHARLES COUNTY PINEY CHURCH ROAD WALDORF, MARYLAND 20602

Table with columns for NO., DESCRIPTION, DATE.

PROJECT NUMBER: 18-034 PROJECT SET: PERMIT DATE ISSUED: 12/23/2019

DRAWING TITLE: HVAC SCHEDULES

SHEET NUMBER: M601

ANIMAL SYSTEM 3

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-3

Unit Voltage: 208-3-60
 Airflow Configuration: Horizontal Discharge/Horizontal Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 100 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 1927
 Supply Fan - GKHM_355
 Exhaust RPM - 1899
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 32.7 Amps
 Min Circuit Ampacity - MCA: 39 Amps
 Maximum Fuse Size - MFS: 50 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 4 of 56

ANIMAL SYSTEM 4

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-4

Unit Voltage: 208-3-60
 Airflow Configuration: Vertical Discharge/Vertical Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 125 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 2242
 Supply Fan - GKHM_355
 Exhaust RPM - 2355
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 39.8 Amps
 Min Circuit Ampacity - MCA: 47.8 Amps
 Maximum Fuse Size - MFS: 60 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 5 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-3

Unit Voltage: 208-3-60
 Airflow Configuration: Horizontal Discharge/Horizontal Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 100 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 1927
 Supply Fan - GKHM_355
 Exhaust RPM - 1899
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 32.7 Amps
 Min Circuit Ampacity - MCA: 39 Amps
 Maximum Fuse Size - MFS: 50 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 13 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-4

Unit Voltage: 208-3-60
 Airflow Configuration: Vertical Discharge/Vertical Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 125 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 2242
 Supply Fan - GKHM_355
 Exhaust RPM - 2355
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 39.8 Amps
 Min Circuit Ampacity - MCA: 47.8 Amps
 Maximum Fuse Size - MFS: 60 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 16 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-3

Unit Voltage: 208-3-60
 Airflow Configuration: Horizontal Discharge/Horizontal Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 100 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 1927
 Supply Fan - GKHM_355
 Exhaust RPM - 1899
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 32.7 Amps
 Min Circuit Ampacity - MCA: 39 Amps
 Maximum Fuse Size - MFS: 50 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 14 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-4

Unit Voltage: 208-3-60
 Airflow Configuration: Vertical Discharge/Vertical Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 125 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 2242
 Supply Fan - GKHM_355
 Exhaust RPM - 2355
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 39.8 Amps
 Min Circuit Ampacity - MCA: 47.8 Amps
 Maximum Fuse Size - MFS: 60 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 17 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-3

Unit Voltage: 208-3-60
 Airflow Configuration: Horizontal Discharge/Horizontal Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 100 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 1927
 Supply Fan - GKHM_355
 Exhaust RPM - 1899
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 32.7 Amps
 Min Circuit Ampacity - MCA: 39 Amps
 Maximum Fuse Size - MFS: 50 Amps

FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 15 of 56

Charles County Animal Shelter September 13, 2019

Size	Qty	Description	Model Number
B066	1	Horizon™ - Outdoor Air Unit (B/G)	QASD09D9-C1B100AB-A1C00A9B81C10B3C4C0

Tag(s): AS-4

Unit Voltage: 208-3-60
 Airflow Configuration: Vertical Discharge/Vertical Return
 Installation: Outdoor
 Evaporator Coil: DX 4 Row Interfaced
 Hot Gas Reheat: Modulating
 Compressor: Digital Scroll Primary Circuit
 Condenser: Air Cooled
 Indoor Blower Motor: ECM w/ Backward Curved Plenum Fan
 Heat Type: Indirect Fired (F)
 Fuel Type: Natural Gas
 439 Stainless Steel Furnace: 125 MBtu/h, (5:1 Turndown NG, 4:1 Turndown LP)
 Unit Controls: Trans LCGND - Space Control w/BACNET w/Display
 Powered Exhaust: ECM w/ Backward Curved Plenum Fan w/Isolation Dampers
 ERV/HRV: ERV - Aluminum Construction w/ Bypass Dampers
 Energy Recovery & Conservation: ERC-3014A
 Damper Options: 2-Position Outdoor Air Damper
 Filters: MERV-8
 Smoke Detectors: Supply & Return
 Electrical Options: Non-Fused Disconnect Switch w/ 115V Outlet (B/G)
 Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
 Accessories: Condenser Heliguard - LED Service Light
 Warranty: 1-Year Parts Only (manufacturer warranty)
 Warranty: 5-Year Digital/Variable Speed Scroll Compressor
 Supply Discharge Air Sensor (PLD)
 2 inch Double Wall Construction
 Stainless Steel Drip Pan
 Blower HP - 2.5
 Blower RPM - 2242
 Supply Fan - GKHM_355
 Exhaust RPM - 2355
 Exhaust HP - 2.5
 Exhaust Fan - GKHM_355
 Unit Amps - FLA: 39.8 Amps
 Min Circuit Ampacity - MCA: 47.8 Amps
 Maximum Fuse Size - MFS: 60 Amps

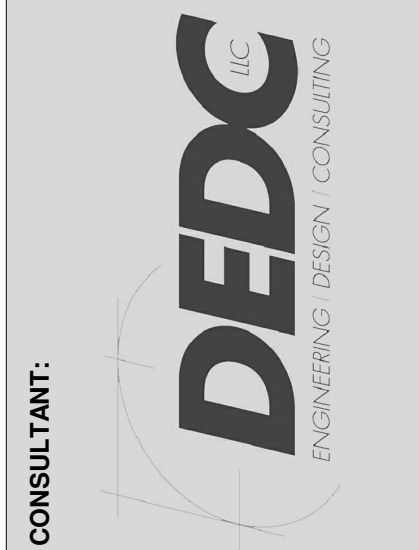
FLD = Furnished by Trans/Installed by Others Trans Equipment Submittal Page 18 of 56



10839-D PHILADELPHIA RD
 WHITE MARSH, MD 21162
 (P) 410-344-1460
 (F) 443-423-2460
 (E) INFO@MWSARCH.COM
 WWW.MWSARCH.COM

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021



CONSULTANT:

CHARLES COUNTY ANIMAL CARE CENTER
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
 PROJECT SET: PERMIT
 DATE ISSUED: 12/23/2019

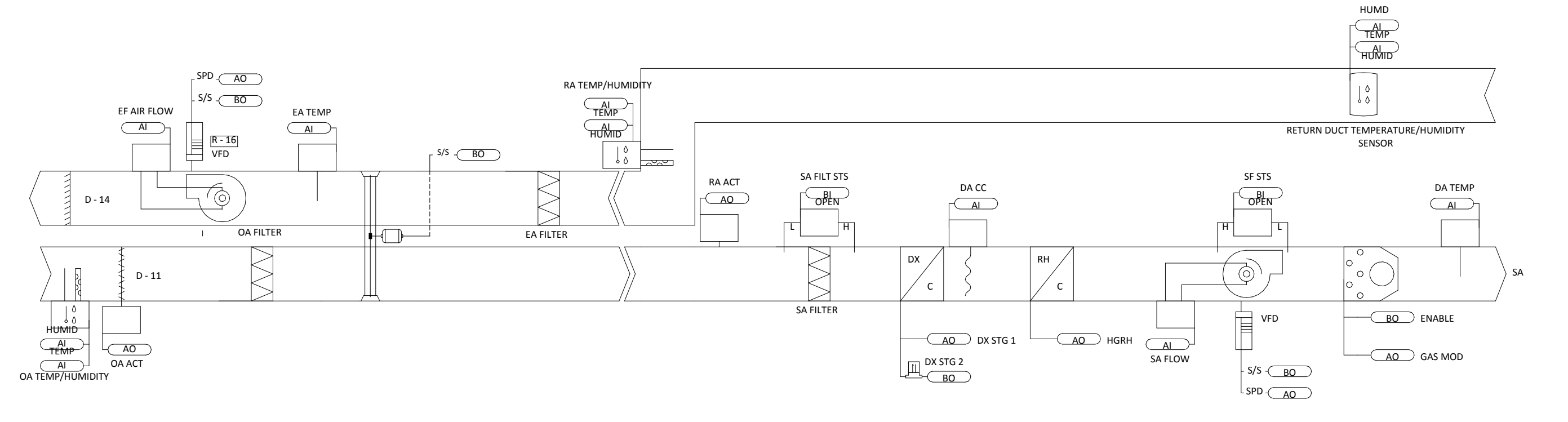
DRAWING TITLE: AHU SCHEDULES - ANIMAL SYSTEMS

SHEET NUMBER: M605

BUILDING AUTOMATION SYSTEM - GENERAL NOTES

Controls contractor to provide HVAC controls, per design drawings, integrated with Owner's Siemens controls system. All control points, alarms, schedules, etc. to be relayed to/from Owner's central (off-site) system.

- Equipment Vendor to provide integrated controls if available to achieve Sequence of Operation, otherwise the BAS vendor shall provide
 - All Hardware points to be provided by Equipment Vendor if possible, otherwise the BAS vendor shall provide
 - No "stand alone" controls allowed unless approved by Owner / Engineer
 - Graphics packages on Owner's central (off-site) system will display specific alarms, setpoints, temperatures, flows, etc.
- Equipment scheduling to be programmable via Owner's central (off-site) system



Operation During Occupied
Space control units shall be shipped loose with a duct modulated humidity control sensor to be installed in the return ductwork. Space conditions can also be communicated via a BAS system.

Emergency Stop
When the contacts at Terminal CAUTS 9 and 10 are open, the unit's operation will be in Alarm Status. Unit will begin normal operation upon closure of CAUTS 9 and 10.

Starting Sequence
When 3 phase is powered to the unit the main unit controller and the RTM will initiate. Initialization process requires approximately 3 minutes. The unit is placed in occupied operation via either the BAS or by closing connection between unit terminals CAUTS 7 and 8. The unit must not be in lockout.

No Return Air Damper Installed
The outdoor air damper will be commanded to open. The damper and switch will make causing the main unit controller to initiate the indoor fan starting sequence. If the unit is equipped with a VFD on the indoor fan the sequence will begin by sending a preset fan signal (field adjustable between 50 percent and 100 percent). If the unit is equipped with an ECM fan the sequence will begin by controlling a field adjustable CFM output. If after 30 seconds the indoor fan proving switch does not prove the indoor fan on, the main unit controller will command the indoor fan off and signal an alarm.

With Return Air Damper Installed
Identical to sequence with no return air damper except the outdoor air and return air dampers will be commanded to move to their preset occupied positions. For units equipped with Modulating Dampers this is the Minimum OA Damper Position, unless other Economizer or Ventilation demand a higher volume of outdoor air. Outdoor air damper end switch is disabled when the return air damper is installed.

Free Cooling Mode
Free Cooling Mode is enabled when the Outdoor Air Temperature is cooler than five degrees below the Discharge Air Cooling Setpoint Active and the unit is in Economizer Mode. During Free Cooling Mode mechanical cooling is locked out and the dampers will modulate to maintain the Discharge Air Cooling Setpoint.

Ventilation Mode
Ventilation mode is enabled based on space temperature and outdoor air temperature. Operation in Ventilation Mode is enabled when the space temperature is between the Occupied Cooling Setpoint and the Occupied Heating Setpoint, and the outdoor temperature is between the Outdoor Air Cooling Setpoint and the Outdoor Air Heating Setpoint. Operation in Ventilation Mode continues until conditions call for dehumidification or when the space and outdoor air temperature fall outside of those two conditions.

Dehumidification Mode
Dehumidification Mode is enabled on Outdoor Air Dewpoint Setpoint (OADS) or Space Dewpoint Setpoint (SPDS). If there is no call for Heating Mode and the outdoor air dewpoint is above or equal to the OADS or the space dewpoint is above or equal to the SPDS then Dehumidification Mode shall be enabled. Dehumidification Mode will remain active until the space or outdoor air dewpoints fall below the setpoints by 2 degrees, or Heating Mode is enabled. Space Dewpoint Setpoint (SPDS) is calculated based on the Occupied Cooling Setpoint and the Space Humidity Setpoint. The minimum allowable value is 45°F.

Units Equipped with Direct Expansion Cooling
Compressor control is based on Evaporator Leaving Air Temperature Setpoint. With dehumidification enabled, if evaporator leaving air temperature is above setpoint first stage dehumidification (Compressor 1) will start. Compressor staging is similar to Heating Mode. During operation in Dehumidification Mode, the main unit controller will enable hot gas reheat and it will modulate to maintain the Occupied Cooling Setpoint.

Hot Gas Reheat Purge
Following continuous 30-minute hot gas reheat operation at less than 100 percent reheat capacity a purge cycle will be initiated. During the purge cycle, the hot gas reheat signal is set and held at 100 percent for a period of 3 minutes. Following the purge cycle, normal operation resumes.

Cooling Mode
Cooling Mode is enabled based on Outdoor Air Cooling Setpoint (OACS), Occupied Heating Setpoint, and Occupied Cooling Setpoint. If the outdoor air temperature is above the OACS then Cooling Mode shall be enabled. If the outdoor air temperature is lower than the OACS but the unit is not calling for heating or dehumidification then the unit shall switch between Heating and Cooling Mode as necessary to maintain an average temperature of the Occupied Cooling Setpoint and the Occupied Heating Setpoint. The Discharge Air Temperature Setpoint Active is reset based on the Space Temperature Active and the Occupied Heating Setpoint.

Units with Hot Water Heat Selected
Units with hot water heat selected will have a normally open water valve shipped loose. The binary enable and the control signal are factory installed. Wiring between the unit controls and the valve is field installed. The valve is enabled and forced closed whenever the fan is running and heating is not required.

Non-Heat Pump Heating (Auxiliary Heating)
During Heating Mode the main unit controller will modulate the heating output to maintain the Discharge Air Setpoint Active. Maximum discharge air heating temperature is adjustable but cannot exceed 120°F for gas or hot water heat and 90°F for electric heat. Hot gas reheat is disabled when heating is enabled.

Operation During Unoccupied
Space temperature/humidity sensor must be installed or the space conditions communicated via BAS. Binary Value Space Temp/Hum Sensor Installed must be set to TRUE.

Emergency Stop
When the contacts at Terminal CAUTS 9 and 10 are open, the unit's operation will be in Alarm Status. Unit will begin normal operation upon closure of CAUTS 9 and 10.

Starting Sequence
Unoccupied starting sequence begins when the Unoccupied Heating, Cooling, or Dehumidification Mode is enabled. Otherwise, the unit shall remain dormant with the indoor fan disabled. Indoor fan proving sequence is identical to occupied operation.

With Return Air Damper Installed
The outdoor air damper will be commanded to close and the return air damper will open. Outdoor air damper end switch is disabled when the end switch on the installed. If the unit is under Economizer conditions as described under the occupied section the outdoor air damper shall open to maximum position.

No Return Air Damper Installed
Identical to occupied sequence no return air damper installed.

Unoccupied Heating Mode
Unoccupied Heating Mode is enabled when the Space Temperature falls below the Unoccupied Heating Setpoint - 1. Unoccupied Heating Mode will continue until the Space Temperature rises above the Unoccupied Heating Setpoint - 2. The heat shall be modulated to maintain 90°F for the Discharge Air Temperature. For heat pumps, determination of heat pump operation or auxiliary heat operation is identical to Occupied Heating Mode.

Unoccupied Dehumidification Mode
When no call for Unoccupied Heating Unoccupied Dehumidification Mode is enabled when the Space Dewpoint rises above the Unoccupied Dewpoint Setpoint - 1. Unoccupied Dehumidification Mode shall be disabled when the Space Dewpoint falls below the Unoccupied Dewpoint Setpoint - 1. During Unoccupied Dehumidification the cooling is driven to 53°F leaving the indoor coil. If the unit is equipped with HGRH it shall modulate to maintain 60°F for the Discharge Air Temperature. Unoccupied cooling is enabled when space temperature reaches Unoccupied Cooling Setpoint - 2.

Unoccupied Cooling Mode
When no call for Unoccupied Heating or Unoccupied Dehumidification exists, Unoccupied Cooling Mode is enabled when the Space Temperature rises above the Unoccupied Cooling Setpoint + 2. Unoccupied Cooling Mode shall continue until the Space Temperature falls below the Unoccupied Cooling Setpoint - 2. During Unoccupied Cooling Mode the cooling is driven to 53°F leaving the indoor coil.

Morning Warmup
During Morning Warmup the unit will modulate the discharge air temperature to maintain 120 degrees. The unit must be in Occupied Mode and a value of 3 written to the modulate value Heat Cool Mode Request.

Digital Compressors
Main unit controller will modulate digital compressors to maintain either Evap Leaving Temp Setpoint or Discharge Air Cooling Setpoint depending on mode of operation. Remaining compressors will be staged as described in the mode for Discharge Control operation.

Exhaust Fan Operation
Exhaust with Isolation Dampers
When the indoor fan operation has been proven and the unit is in occupied there will be a call for the exhaust. When there is a call for the exhaust the isolation dampers will be powered and the powered exhaust will be enabled once the end switch on the exhaust damper actuators are proven. If the unit is equipped with modulating dampers, the exhaust fan speed will modulate to maintain the Return DuctSpace Pressure Setpoint (factory defaulted to 1" WC). If modulating dampers are not equipped, the exhaust will maintain a constant volume of airflow. During Unoccupied the powered exhaust will be shut off, except when the outdoor air conditions are in economizing conditions.

Energy Wheel Operation
The ERV is interlocked with indoor fan and exhaust fan operation in occupied heating, dehumidification or cooling modes. When operating in Economizer or Ventilation Mode the ERV is disabled and the ERV by-pass dampers will open, powered exhaust remains on. If Economizer or Ventilation Mode has been enabled for 10 minutes the ERV will be enabled for one minute. This cycle will repeat every 10 minutes.

Energy Wheel with Modulating Bypass on Supply
During ERV operation, if the Exhaust Temperature drops below 25°F, the outdoor air bypass damper will start to slowly modulate open. If after the bypass dampers modulate to 100 percent open and the exhaust temp across the ERV drops below 10°F FPF Disabled, for 5 minutes, the unit controller will command the ERV off. During Unoccupied the ERV will be shut off.

Energy Wheel with Optional Rotation Sensor
On units equipped with an optional rotation sensor, when there is a call for energy wheel operation if no rotation is detected for a 90 second period then the energy wheel shall be commanded off and the controller will signal an alarm.

1 HVAC SEQUENCES OF OPERATION - ANIMAL DOAS UNITS
NOT TO SCALE

2 DOAS BUILDING AUTOMATION POINTS LIST
NOT TO SCALE

Point Name	Hardware Points						Software Points				Show On Graphic	
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm		
Exhaust Air Temp	x								x	x		
Final Filter Differential Pressure	x								x			
Heat Wheel Discharge Air Temp	x								x	x		
Mixed Air Temp	x								x	x		
Outside Air Humidity	x								x	x		
Outside Air Temp	x								x	x		
Outside Air Temp	x								x	x		
Prefilter Differential Pressure	x								x			
Return Air Humidity	x								x	x		
Return Air Temp	x								x	x		
Supply Air Temp	x								x	x		
Zone Setpoint Adjust	x									x		
Zone Temp	x								x	x		
Heat Wheel VFD Speed		x							x	x		
Mixed Air Dampers		x							x	x		
Freezeostat			x						x	x	x	
Heat Wheel Status			x						x	x	x	
Heat Wheel VFD Fault			x						x	x	x	
Return Air Smoke Detector			x						x	x	x	
Return Fan Status			x						x	x		
Supply Air Smoke Detector			x						x	x	x	
Supply Fan Status			x						x	x	x	
Zone Override			x						x	x		
Cooling Stage 1				x					x	x		
Cooling Stage 2				x					x	x		
Cooling Stage 3				x					x	x		
Cooling Stage 4				x					x	x		
Heat Wheel Bypass Dampers				x					x	x		
Heat Wheel Start/Stop				x					x	x		
Heating Stage 1				x					x	x		
Heating Stage 2				x					x	x		
Heating Stage 3				x					x	x		
Heating Stage 4				x					x	x		
Return Fan Start/Stop				x					x	x		
Supply Fan Start/Stop				x					x	x		
Cooling Setpoint					x				x	x		
Dehumidification Setpoint					x				x	x		
Economizer Zone Temp Setpoint					x				x	x		
Heating Setpoint					x				x	x		
Schedule							x					
Compressor Runtime Exceeded										x		
Final Filter Change Required										x	x	
Heat Wheel in Hand										x		
Heat Wheel Rotation Failure										x		
Heat Wheel Runtime Exceeded										x		
High Mixed Air Temp										x		
High Return Air Humidity										x		
High Return Air Temp										x		
High Supply Air Temp										x		
High Zone Temp										x		
Low Mixed Air Temp										x		
Low Return Air Humidity										x		
Low Return Air Temp										x		
Low Supply Air Temp										x		
Low Zone Temp										x		
Prefilter Change Required										x	x	
Return Fan Failure										x		
Return Fan in Hand										x		
Return Fan Runtime Exceeded										x		
Supply Fan Failure										x		
Supply Fan in Hand										x		
Supply Fan Runtime Exceeded										x		
Totals	13	2	8	12	4	0	0	1	38	26	39	
Total Hardware (35)							Total Software (69) + Graphics (39)					

MW STUDIOS
ARCHITECTURE + MASTER PLANNING
10839-D PHILADELPHIA RD
WHITE MARSH, MD 21162
(P) 410-344-1460
(F) 443-403-2460
(E) INFO@MWSARCH.COM
WWW.MWSARCH.COM

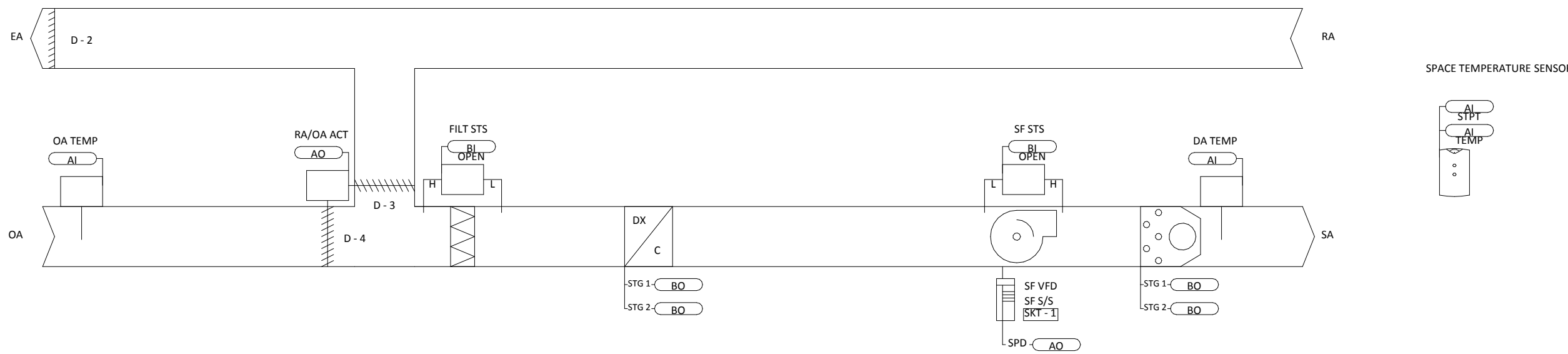
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #47259
EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDCO
OUR COMMITMENT: EXCELLENCE IN CONSULTING

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
-----	-------------	------

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
MECHANICAL CONTROL DIAGRAMS
SHEET NUMBER:
M701



Sequence of Operations

OFFICE Floor
Building Automation System Interface:
The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up, Pre-Cool, Occupied / Unoccupied and Heat / Cool modes. If the BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied Mode:
During occupied periods, the supply fan shall run continuously and the outside air damper shall open to maintain minimum ventilation requirements. The DX cooling and gas heat shall stage to maintain the occupied space temperature setpoint. If economizing is enabled the outside air damper shall modulate to maintain the occupied space temperature setpoint.

Unoccupied Mode:
When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, the outside air damper shall remain closed and the gas heat shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop and the gas heat shall be disabled.

When the space temperature is above the unoccupied cooling setpoint of 65.0 deg. F (adj.) the supply fan shall stop, the outside air damper shall open if economizing is enabled and remain closed if economizing is disabled and the DX cooling shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 65.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, the DX cooling shall be disabled and the outside air damper shall close.

Optimal Start:
The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:
During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and supply fan. The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode:
During optimal start, if the space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling or economize. The outside air damper shall remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Optimal Stop:
The BAS shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall maintain the space temperature to the space temperature offset setpoint.

Occupied Bypass:
The BAS shall monitor the status of the "on" and "cancel" buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Cooling Mode:

The unit controller shall monitor space temperature and space temperature cooling setpoint to determine when to initiate requests for cooling. When the space temperature rises above the space temperature cooling setpoint, the unit controller shall modulate the economizer or stage the mechanical cooling On or Off as required to maintain the space temperature cooling setpoint. The first compressor shall energize after its minimum 3-minute off time has expired. The supply fan shall modulate above minimum speed to meet zone requirements. If additional cooling capacity is required the next stage of cooling shall be enabled. Once the space temperature falls below the setpoint the compressors shall be deactivated and the fan shall modulate to minimum speed.

Heating Mode:

The unit controller shall monitor space temperature and space temperature heating setpoint to determine when to initiate requests for heat. When the space temperature drops below the space temperature heating setpoint, the controller shall enable the first stage of heat. If additional heating capacity is required the second stage of heat shall be enabled. The supply fan will remain at 100% during heating operation. Once the space temperature rises above the setpoint, the heating stages shall be disabled and the supply fan speed will vary according to ventilation and cooling modes.

Economizer Control / Reference Dry Bulb:

The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall modulate between its minimum position and 100% to maintain the space temperature setpoint. Minimum position shall be calculated based on supply fan speed. If the supply air temperature starts to fall below supply air temperature setpoint, the outdoor damper shall be at minimum position. Compressors shall be delayed from operating until the economizer has opened to 100% for 5 minutes.

Reference Dry Bulb:

Outdoor air temperature is compared with a reference dry bulb point. The economizer is enabled when outdoor air temperature is less than reference dry bulb point. The economizer is disabled when outdoor air temperature is greater than reference dry bulb point + 5.0 deg. F.

Supply Fan Operation:

The supply fan shall be enabled while in the occupied mode and cycled on during the unoccupied mode. The unit controller shall vary the supply fan speed to optimize minimum fan speed in all cooling modes. A differential pressure switch shall monitor the differential pressure across the fan. If the switch does not open within 40 seconds after a request for fan operation a fan failure alarm shall be announced, the unit shall stop, requiring a manual reset.

Building Pressure Control:

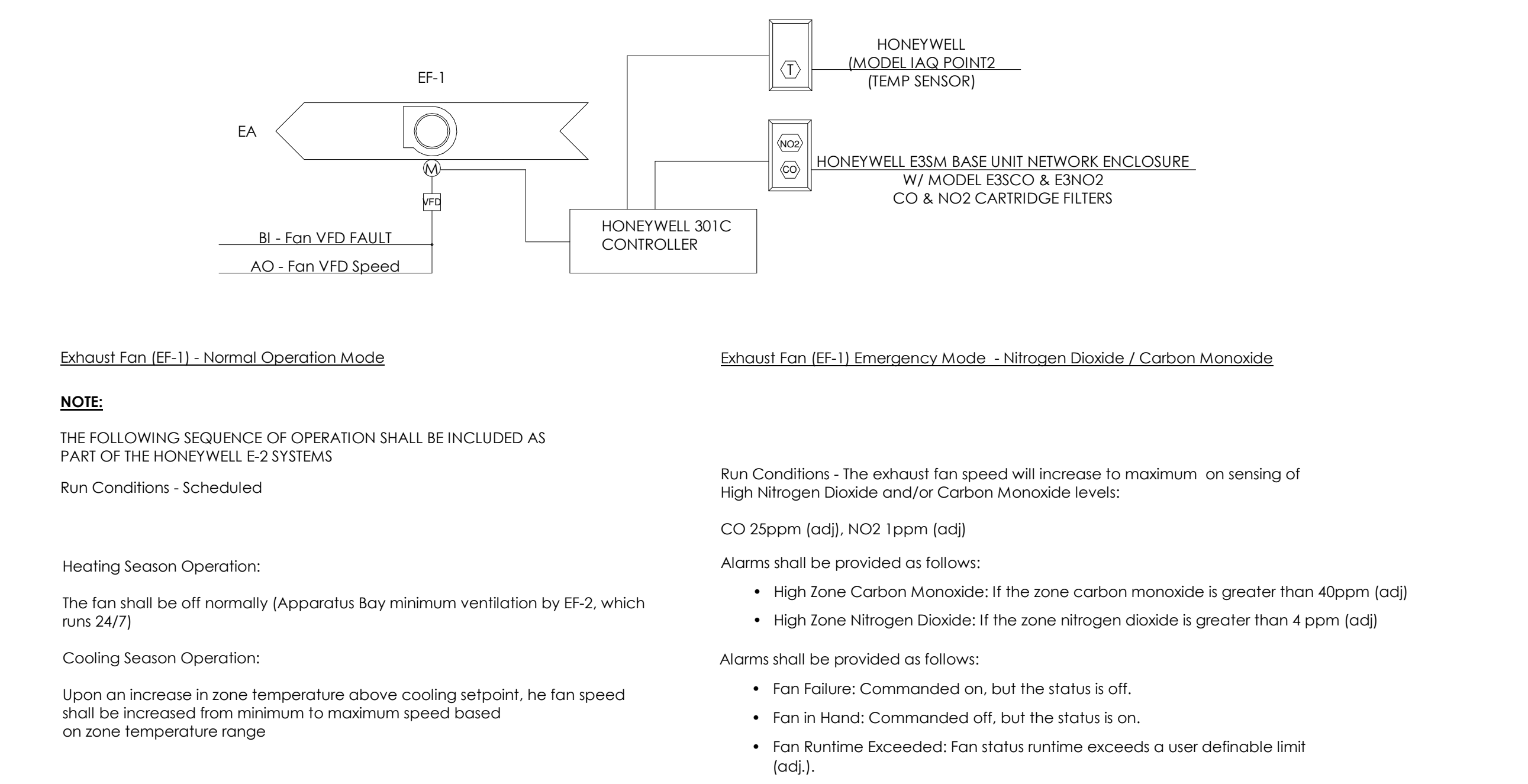
The barometric relief dampers shall open with increased building pressure. As the building pressure increases, the pressure in the unit return section also increases, opening the dampers and relieving air.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation a dirty filter alarm shall be announced at the BAS.

1 HVAC SEQUENCES OF OPERATION - RTU-1, -2, -3, -4 NOT TO SCALE

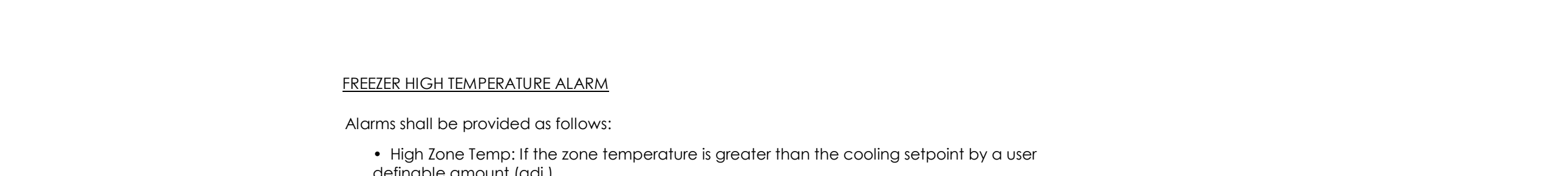
2 RTU BUILDING AUTOMATION POINTS LIST NOT TO SCALE



3 SEQUENCE OF OPERATIONS - SALLYPORT EXHAUST FAN EF-2 NOT TO SCALE



5 SEQUENCE OF OPERATIONS - FREEZER TEMPERATURE MONITORING NOT TO SCALE



6 FREEZER BUILDING AUTOMATION POINTS LIST NOT TO SCALE

Point Name	Hardware Points						Software Points						Show On Graphic
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm			
Space Carbon Monoxide PPM	x									x		x	
Space NO2 PPM	x									x		x	
Exhaust Fan Status			x							x		x	
Exhaust Fan Start/Stop				x						x		x	
CO/NO2 Setpoint PPM					x					x		x	
High Space Carbon Monoxide Concentration											x		
High Space NO2 Concentration											x		
Exhaust Fan Failure											x		
Exhaust Fan in Hand											x		
Exhaust Fan Runtime Exceeded											x		
Totals	2	0	1	1	1	0	0	0	0	5	5	5	
Total Hardware (4)			Total Software (11) + Graphics (5)										

4 SALLYPORT EXHAUST BUILDING AUTIOMATION POINTS LIST NOT TO SCALE

Point Name	Hardware Points						Software Points						Show On Graphic
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm			
High Zone Temp											x	x	
Totals	0	0	0	0	0	0	0	0	0	0	1	1	
Total Hardware (0)			Total Software (1) + Graphics (1)										

6 FREEZER BUILDING AUTOMATION POINTS LIST NOT TO SCALE

BUILDING AUTOMATION SYSTEM - GENERAL NOTES

Controls contractor to provide HVAC controls, per design drawings, integrated with Owner's Siemens controls system. All control points, alarms, schedules, etc. to be relayed to/from Owner's central (off-site) system.

- Equipment Vendor to provide integrated controls if available to achieve Sequence of Operation, otherwise the BAS vendor shall provide
- All Hardware points to be provided by Equipment Vendor if possible, otherwise the BAS vendor shall provide
- No "stand alone" controls allowed unless approved by Owner / Engineer
- Graphics packages on Owner's central (off-site) system will display specific alarms, setpoints, temperatures, flows, etc.
- Equipment scheduling to be programmable via Owner's central (off-site) system

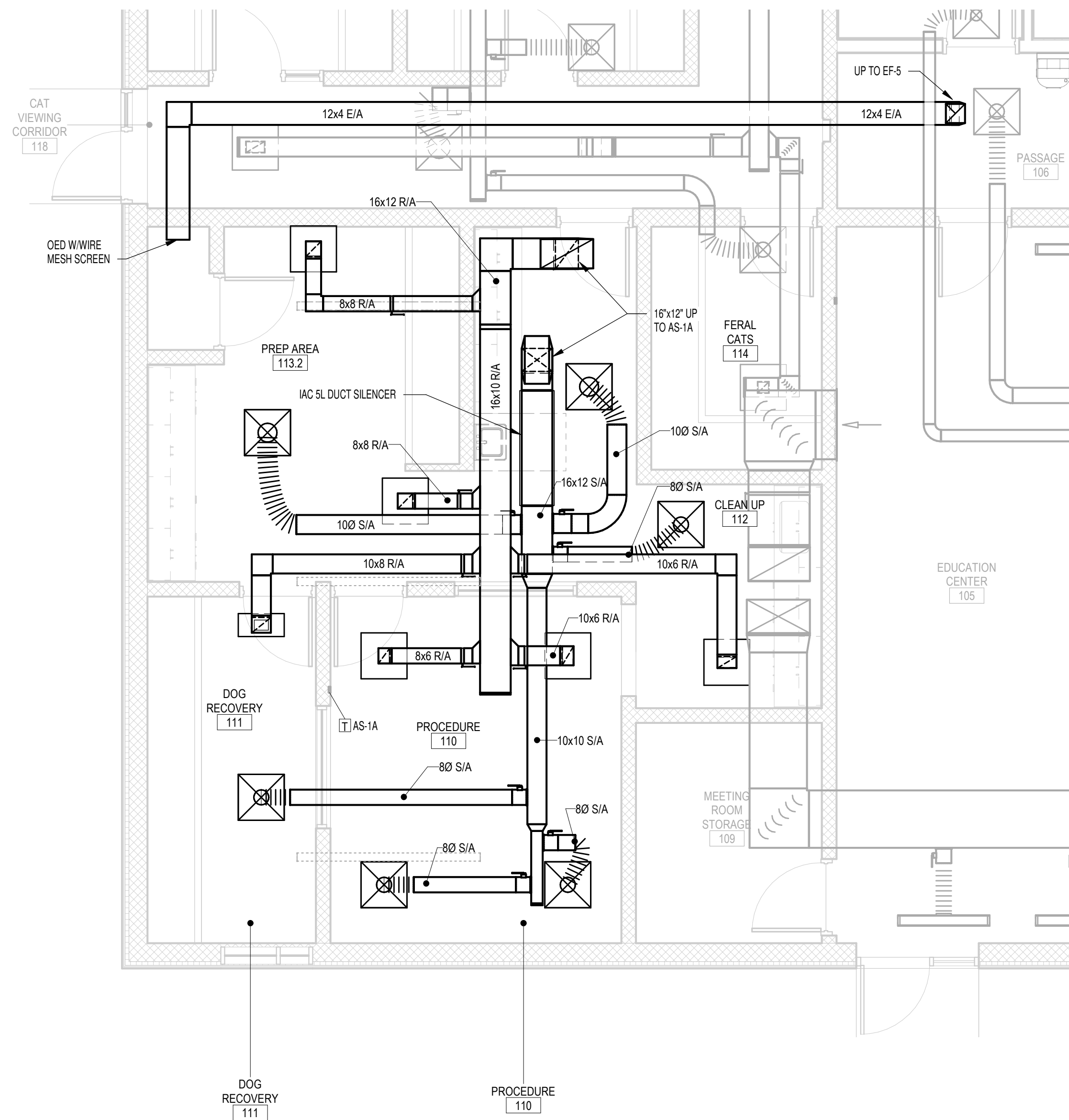
MANN STUDIOS
ARCHITECTURE + MASTER PLANNING
10839 D PHILADELPHIA RD
WHITE MARSH, MD 21162
(P) 410-344-1460
(F) 443-403-2460
(E) INFO@MWSARCH.COM
WWW.MWSARCH.COM

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

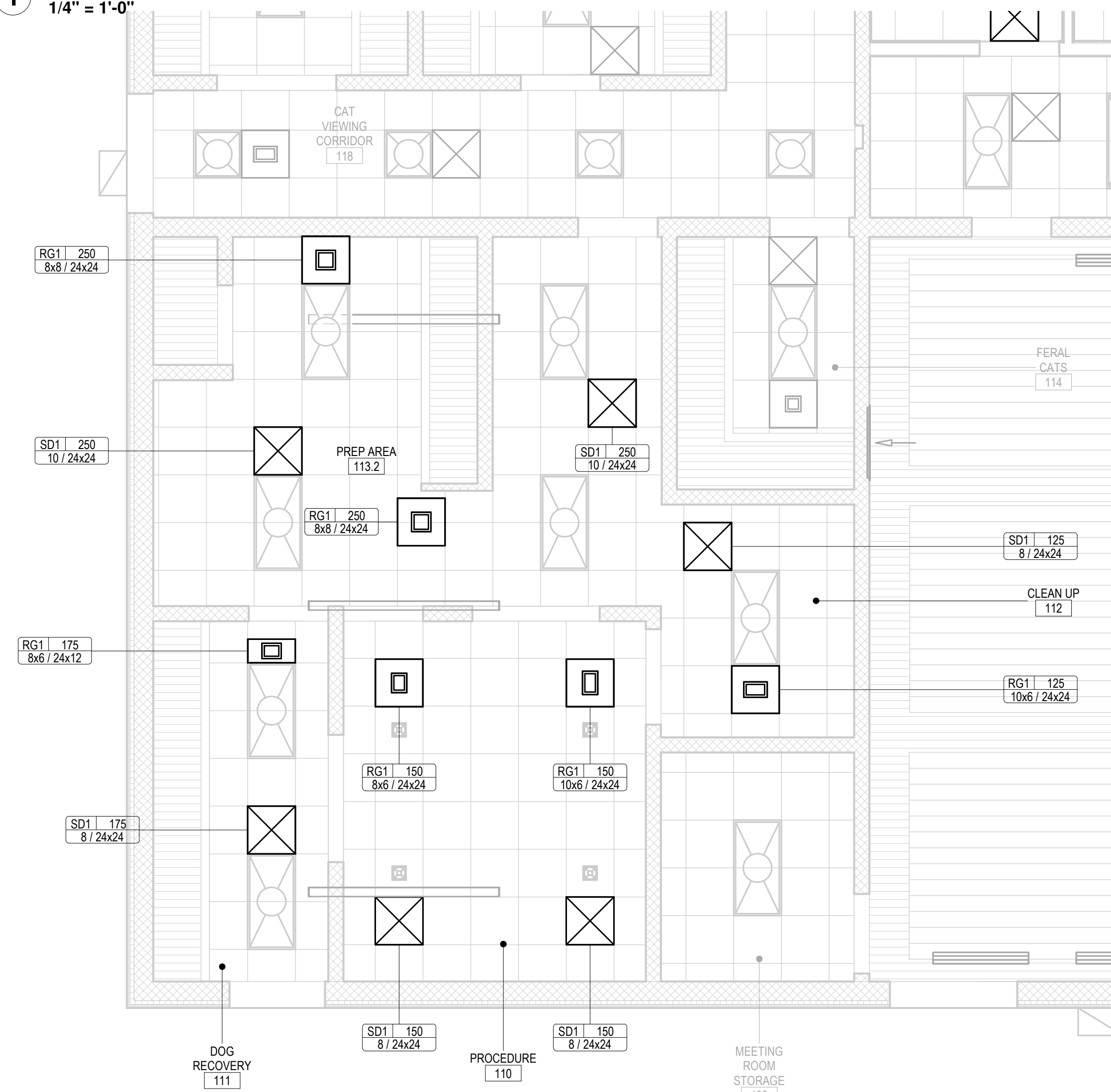
CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

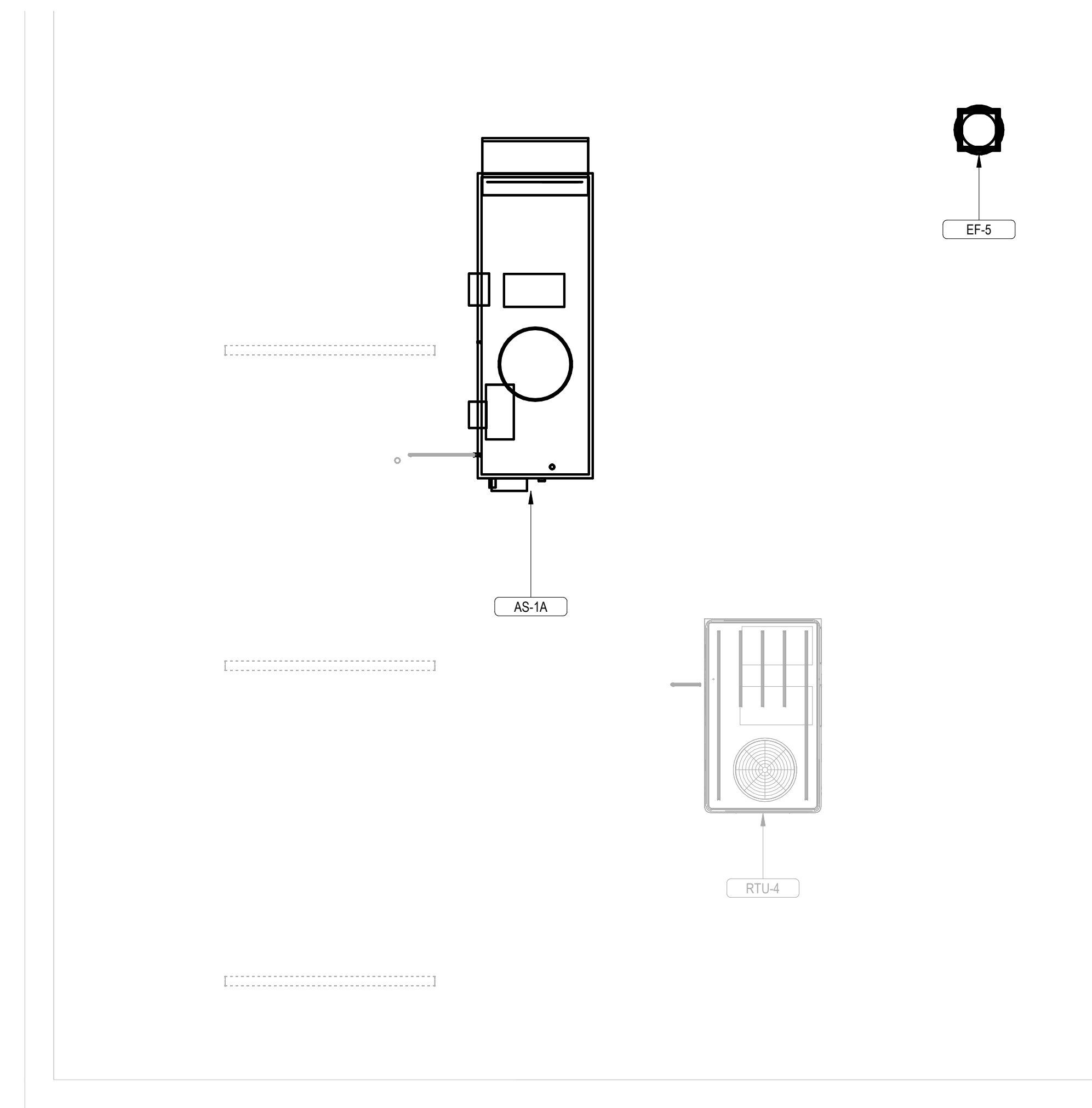
NO. DESCRIPTION DATE
PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: MECHANICAL CONTROL DIAGRAMS
SHEET NUMBER: M702



1 ALTERNATE 004: SPAY/NEUTER CLINIC - HVAC NEW WORK PLAN
1/4" = 1'-0"



3 ALTERNATE 004: SPAY/NEUTER CLINIC - REFLECTED CEILING PLAN
1/4" = 1'-0"



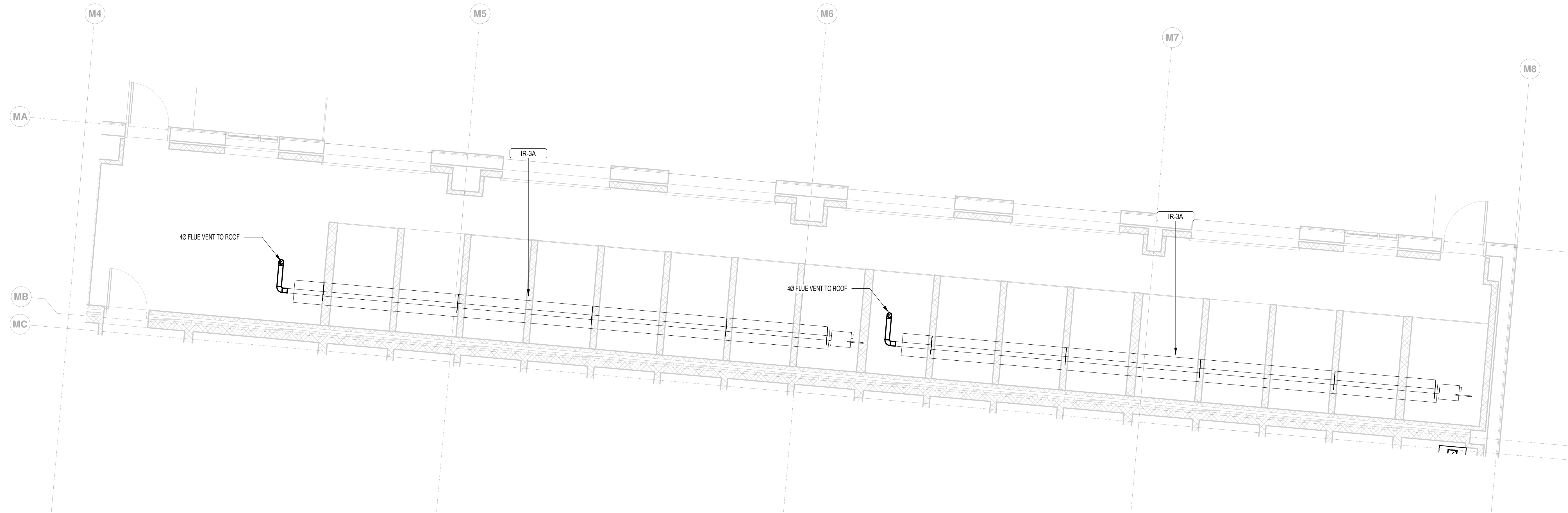
2 ALTERNATE 004: SPAY/NEUTER CLINIC - HVAC ROOFTOP NEW WORK PLAN
1/4" = 1'-0"

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ALTERNATE 004 -
SPAY/NEUTER CLINIC

SHEET NUMBER:
M1001



1 ALTERNATE 006: OUTDOOR DOG RUN HEATERS - HVAC NEW WORK PLAN
 1/4" = 1'-0"

ALTERNATE 006 - GAS FIRED RADIANT HEATER SCHEDULE - OUTDOOR DOG RUN DOORS

Identify Mark	Count	Description	Manufacturer	Model	GAS			ELECTRICAL			Type Comments	
					Heating Input	Minimum Inlet Pressure	Maximum Inlet Pressure	Voltage	Number of Poles	Frequency		Full Load Amps
IR-3A	2	Vantage Premium Harsh Environment Gas Fired Heater with High Efficiency Reflectors	Roberts Gordon®	HEV-125	125000 Btu/h	4.60 in-wg	14.00 in-wg	120 V	1	60 Hz	1.0 A	USE ZERO BOUNCE BACK, 1/2 SURFACE, PARABOLIC REFLECTORS RATED AT EF-15 AS TESTED BY AHRI 1330 STANDARD. PROVIDE NEMA 4X MOISTURE RESISTANT LINE VOLTAGE THERMOSTAT. REFLECTORS SHALL BE ANGLED AT 45 DEGREES INTO SPACE.

- NOTES:
1. INCLUDE COMPLETE SYSTEM, BURNER PUMPS CONTROL PANEL MOUNTING HARDWARE
 2. TUBING SHALL BE HEAT TREATED ALUMINIZED OR HOT ROLLED STEEL AS INDICATED ON PLAN DRAWINGS.
 3. ALL BURNERS SHALL HAVE COMBUSTION INTAKE FILTERS.
 4. PROVIDE 120V, 20 AMP SYSTEM CONTROL PANEL, MANUFACTURER MODEL #0277002 AND RECOMMENDED 24-VOLT THERMOSTATS.

SEAL:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
 ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY
 CHARLES COUNTY ANIMAL CARE CENTER
 5690 PINEY CHURCH ROAD
 WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
 18-034
 PROJECT SET:
 PERMIT
 DATE ISSUED:
 12/23/2019

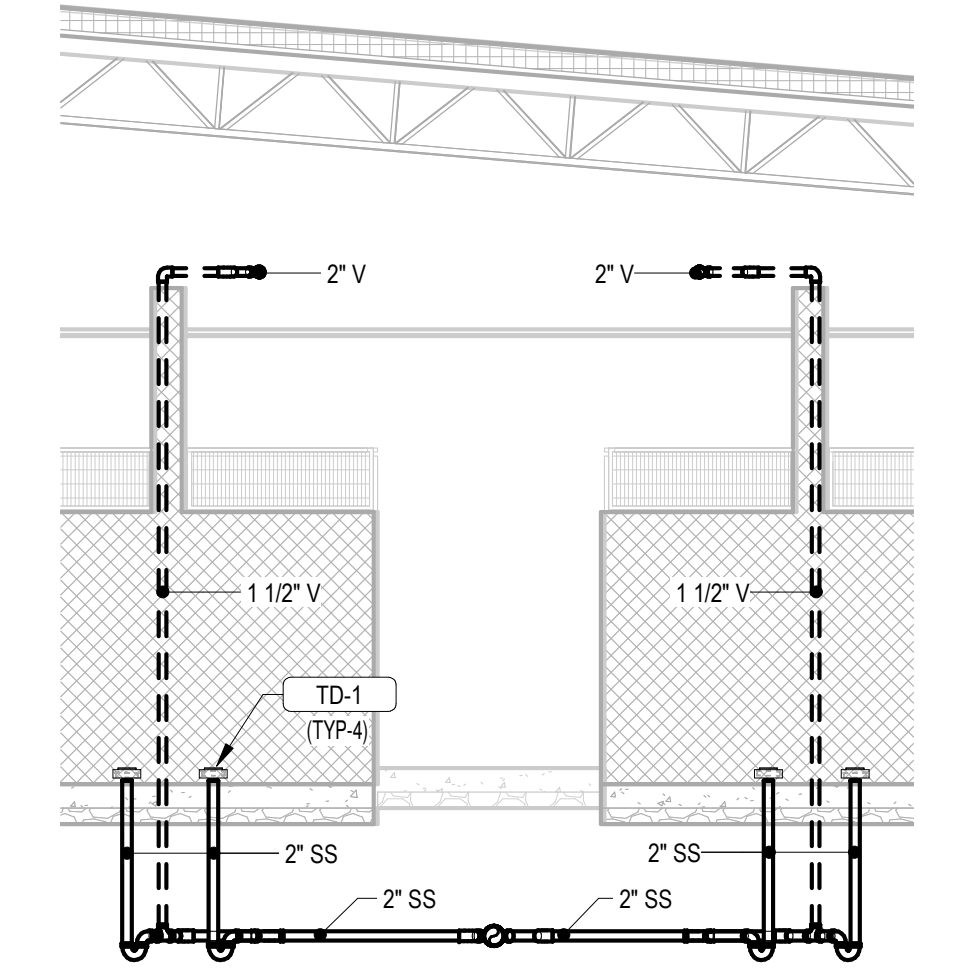
DRAWING TITLE:
 ALTERNATE 006-
 OUTDOOR DOG RUN
 HEATERS
 SHEET NUMBER:
M1002

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

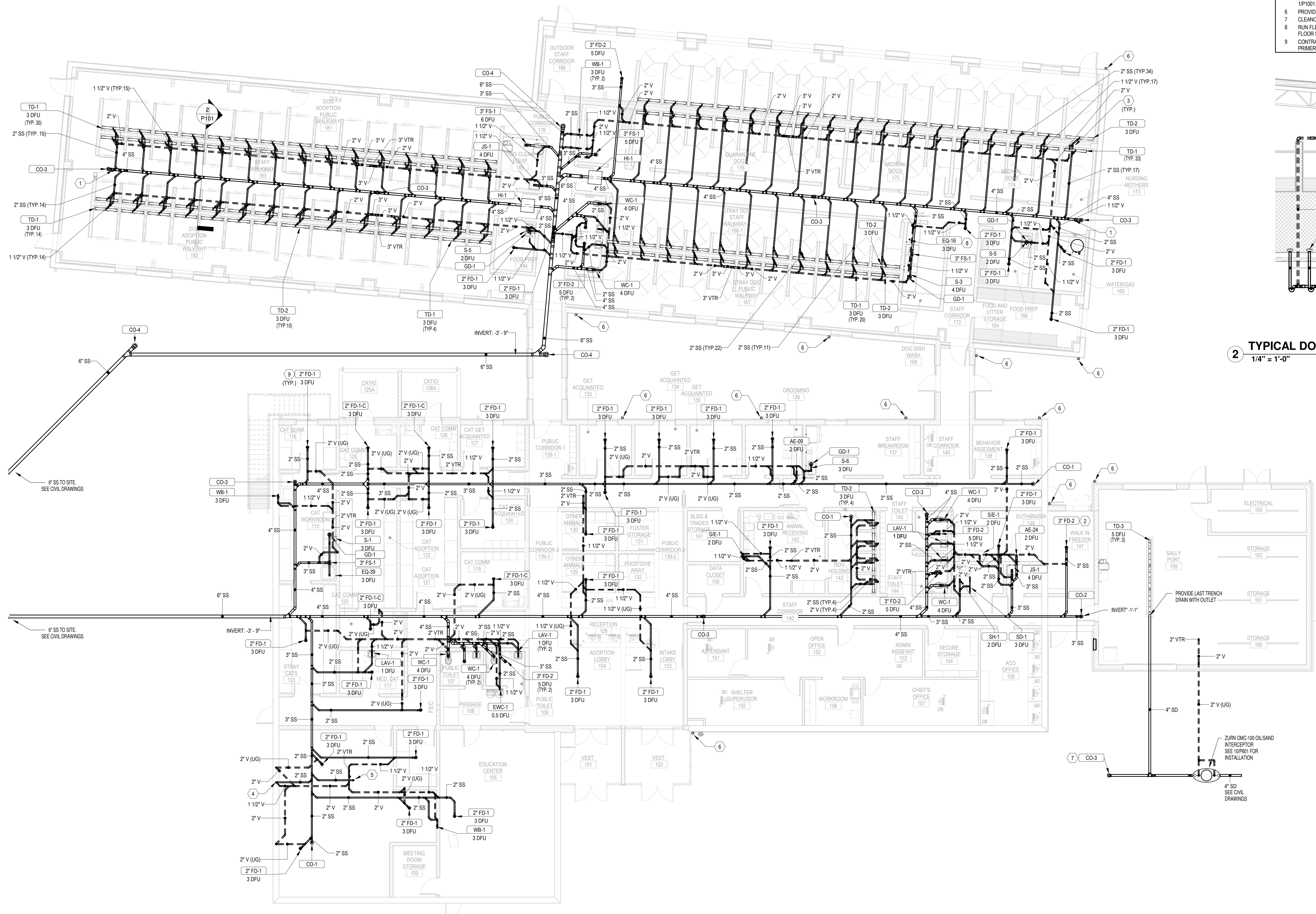
CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

KEYNOTES

- 1 LOCATION OF 1 1/2" COLD WATER FLUSH VALVE CONNECTION FOR SANITARY PIPE MAIN. SEE P102 FOR MORE INFORMATION.
- 2 FLOOR DRAIN TO BE LOCATED UNDERNEATH WALK-IN FREEZER. COORDINATE FINAL FLOOR DRAIN SIZE AND LOCATION WITH WALK-IN FREEZER VENDOR PRIOR TO INSTALLATION.
- 3 COORDINATE ALL VENT RISERS IN DOG KENNELS WITH DOG DOOR.
- 4 PENETRATE AND CAP 2" SANITARY WASTE PIPE THROUGH WALL FOR FUTURE USE. COORDINATE WITH 1P1001.
- 5 CAP 2" SANITARY PIPE AT FINISHED FLOOR ELEVATION. COORDINATE WITH 1P1001.
- 6 PROVIDE 4" X 6" JAY R. SMITH DOWNSPOUT BOOT FIGURE NO. 1785.
- 7 CLEANOUT SHALL NOT BE LOCATED IN SALLYPORT DRIVEWAY.
- 8 RUN FLEX DRAIN PIPE FROM UNDERCOUNTER DISHWASHER EQ-16 TO ADJACENT FLOOR SINK.
- 9 CONTRACTOR SHALL PROVIDE PRECISION PLUMBING PRODUCTS MODEL P-2 TRAP PRIMER FOR ALL FLOOR DRAINS. SEE 1P1001.



2 TYPICAL DOG KENNEL SANITARY SECTION
1/4" = 1'-0"



1 SANITARY WASTE FLOOR PLAN
1/8" = 1'-0"

CHARLES COUNTY ANIMAL CARE CENTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
SANITARY WASTE & VENT
FLOOR PLAN

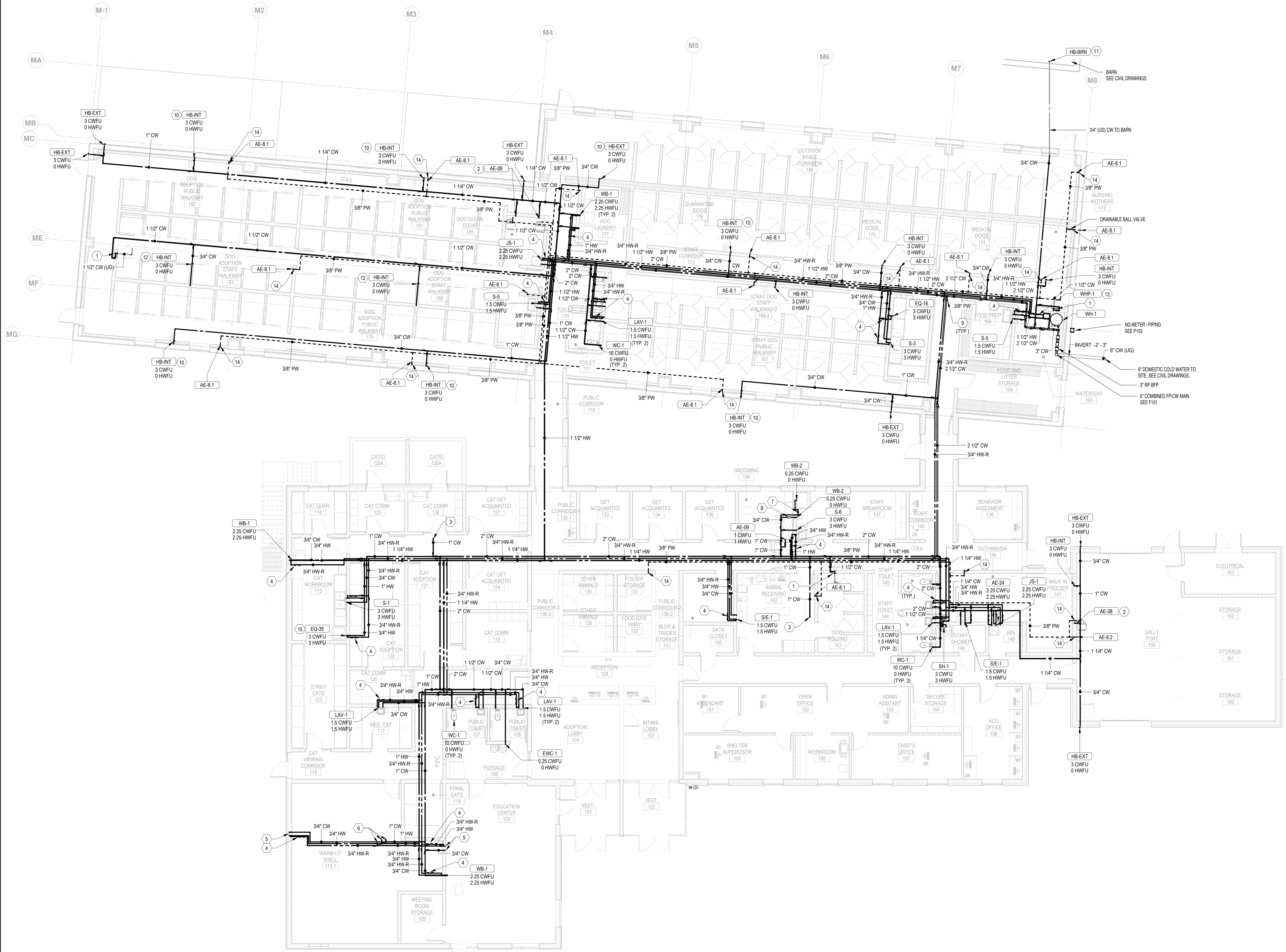
SHEET NUMBER:
P101

KEYNOTES

- CONTRACTOR SHALL INSTALL ZURN AquaVentage AV 25150AV-FR-L3 CONCEALED CLOSET FLUSH VALVE IN WALL WITH ZURN 25199 ACCESS PANEL AND FRAME FOR MANUAL OPERATED CONCEALED FLUSH VALVES. SUPPLY 1 1/2" COLD WATER TO SANITARY MAN UNDERGROUND. PROVIDE CHECK VALVE.
- PROVIDE (3 TOTAL) HB-INT (SEE PLUMBING FIXTURE SCHEDULE ON P401) TO SERVE SPRAY MASTER TECHNOLOGIES MOMENTUM PLUS (2.1 CENTRAL UNIT) WALL MOUNTED CENTRAL SYSTEM PRESSURE WASHER. HIGH PRESSURE PIPING SHOWN ON DRAWINGS SHALL BE INSTALLED BY CONTRACTORS VENDOR.
- 3/4" COLD WATER TO ROOF HYDRANT. SEE P202 FOR CONTINUATION.
- PROVIDE THERMOSTATIC BALANCING VALVE MANUFACTURED BY CircuSeal, MODEL CSJA WITH INTEGRAL CHECK VALVE. CONTRACTOR SHALL PLACE VALVE AT ACCESSIBLE LOCATION.
- CAP DOMESTIC WATER PIPING AT FACE OF WALL FOR FUTURE USE. COORDINATE WITH 2P101.
- VALVE AND CAP 1/2" DOMESTIC COLD WATER, 3/4" DOMESTIC HOT WATER, AND 3/4" HOT WATER RECIRCULATION PIPING.
- 3M WATER FILTRATION UNIT (62130-01) 3/8" FNPT, VALVE-IN-HEAD, WITH SHROUD (SERVING REFRIGERATOR) AND GAUGE W/ HF-30MS FILTER MOUNTED UNDER COUNTER.
- WATTS SD-3 BACKFLOW PREVENTOR (SERVING COFFEE MAKER)
- PROVIDE ISOLATION BALL VALVE FOR EVERY DOMESTIC WATER PIPE TAKEOFF. SHOULD ISOLATION VALVE BE LOCATED ABOVE A HARD CEILING. PROVIDE ACCESS PANELS FOR VALVES.
- PROVIDE 1/2" FLEXIBLE HOSE AND CONNECT TO ADJACENT HOSE REEL.
- BARN POST HYDRANT VALVE HOUSING SHALL BE BURIED A MINIMUM OF 2'-6".
- 1/2" COLD WATER PIPING DOWN BLOCK WALL SEPARATING DOG ADOPTION PUBLIC WALKWAY 179 AND DOG ADOPTION STAFF WALKWAY 180 TO TYPICAL HOSE BIBB MOUNTING HEIGHT. RUN PIPING HORIZONTALLY THROUGH BLOCK WALL SEPARATING DOG KENNELS TO HOSE BIBB.
- PROVIDE 8" HOUSEKEEPING PAD FOR DOMESTIC WATER HEATER.
- CONTRACTOR SHALL PROVIDE 2" LONG SWEEP CONDUIT IN MASONRY WALL AT ALL PRESSURE WASH REMOTE STATIONS. CONTRACTORS VENDOR SHALL SUPPLY AND INSTALL ALL PRESSURE WASH PIPING. SEE 9P901 FOR DETAIL.
- PROVIDE WATER HAMMER ARRESTOR ON WATER LINE SERVING COMMERCIAL DISHWASHER EQ-39.

PLUMBING GENERAL NOTES

- HOT WATER SUPPLY PIPING SERVING PUBLIC LAVATORY FAUCETS SHALL HAVE 0'-6" MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF THE HEATED WATER OR RECIRCULATION PIPE CONNECTION TO THE TERMINATION OF THE FIXTURE SUPPLY PIPING. COORDINATE WITH ALL OTHER DISCIPLINES AND FIELD ROTO HOT WATER PIPING AS NECESSARY.
- PROVIDE THERMOSTATIC MIXING VALVE FOR ALL LAVATORY AND HAND WASHING FAUCETS. SET TEMPERATURE TO 105 DEGREES FAHREHIT.



1 DOMESTIC WATER FLOOR PLAN
1/8" = 1'-0"

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
DOMESTIC WATER
FLOOR PLAN
SHEET NUMBER:
P102

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E. AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY ANIMAL CARE CENTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

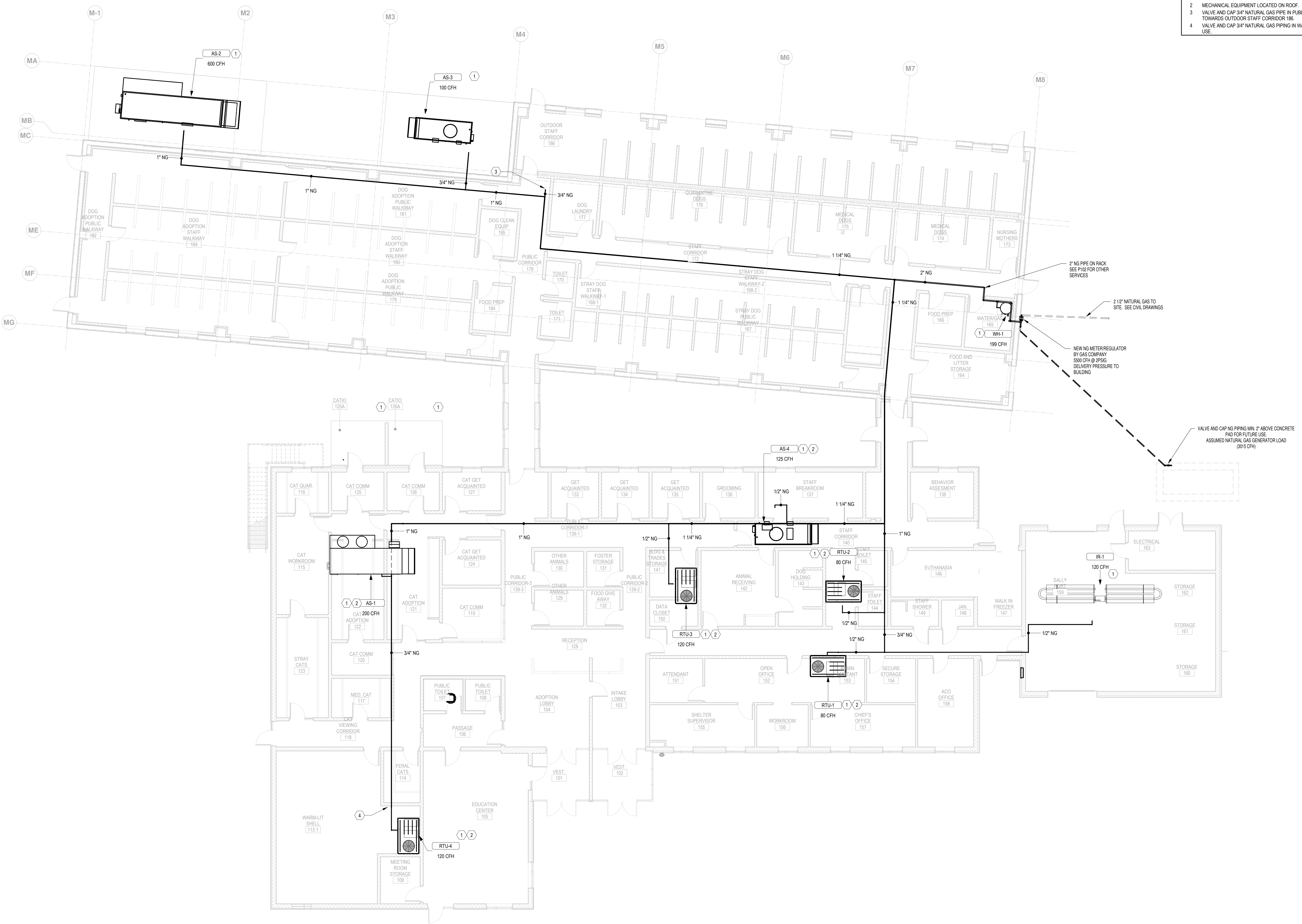
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
NATURAL GAS FLOOR PLAN

SHEET NUMBER:
P103

12/19/2019 4:45:43 PM

- KEYNOTES**
- 1 PROVIDE 2PSIG TO 11"WC PRESSURE REGULATOR.
 - 2 MECHANICAL EQUIPMENT LOCATED ON ROOF.
 - 3 VALVE AND CAP 3/4" NATURAL GAS PIPE IN PUBLIC CORRIDOR 178 LEADING TOWARDS OUTDOOR STAFF CORRIDOR 186.
 - 4 VALVE AND CAP 3/4" NATURAL GAS PIPING IN WARM LIT SHELL 113.1 FOR FUTURE USE.



1 NATURAL GAS FLOOR PLAN
1/8" = 1'-0"

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47299 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

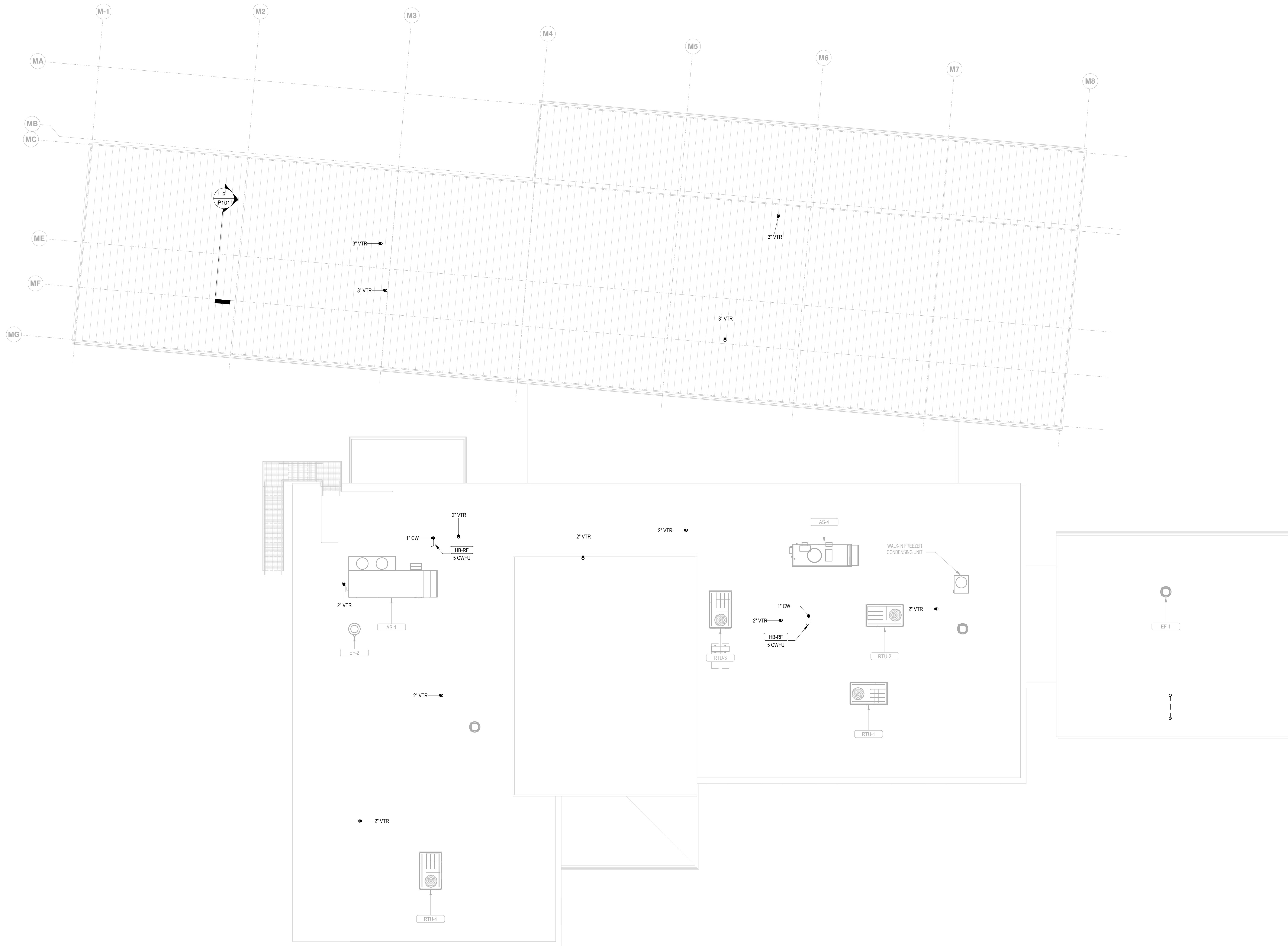
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ROOF PLUMBING PLAN

SHEET NUMBER:
P201

12/19/2019 4:45:46 PM



1 DOMESTIC WATER NEW WORK PLAN - ROOF TOP
1/8" = 1'-0"

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

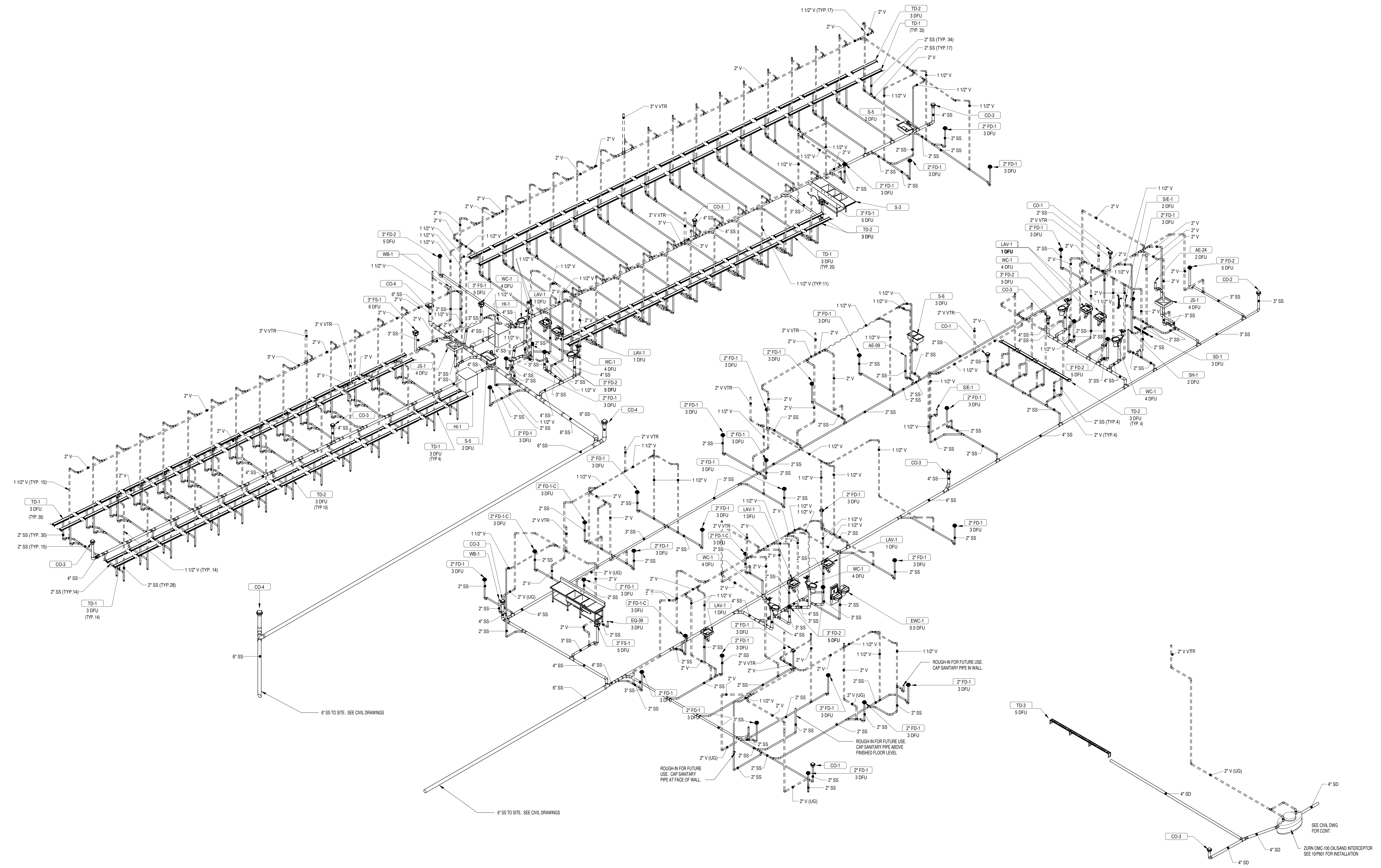
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
SANITARY VENT RISER
DIAGRAM

SHEET NUMBER:
P301

12/19/2019 4:46:00 PM

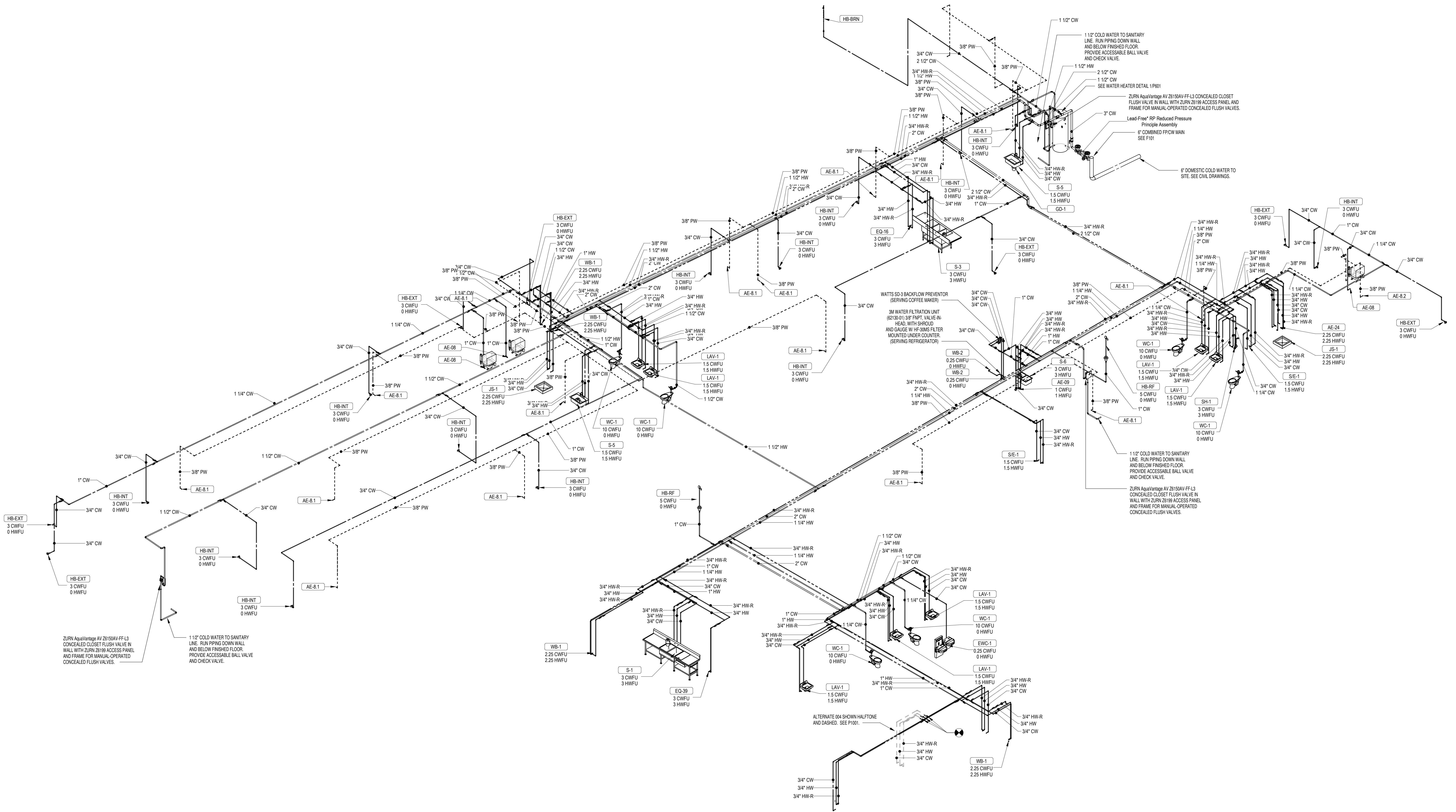


2 SALLYPORT STORM AND VENT RISER DIAGRAM

1 OVERALL WASTE AND VENT RISER DIAGRAM

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS



1 OVERALL DOMESTIC WATER RISER DIAGRAM

CHARLES COUNTY ANIMAL CARE CENTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

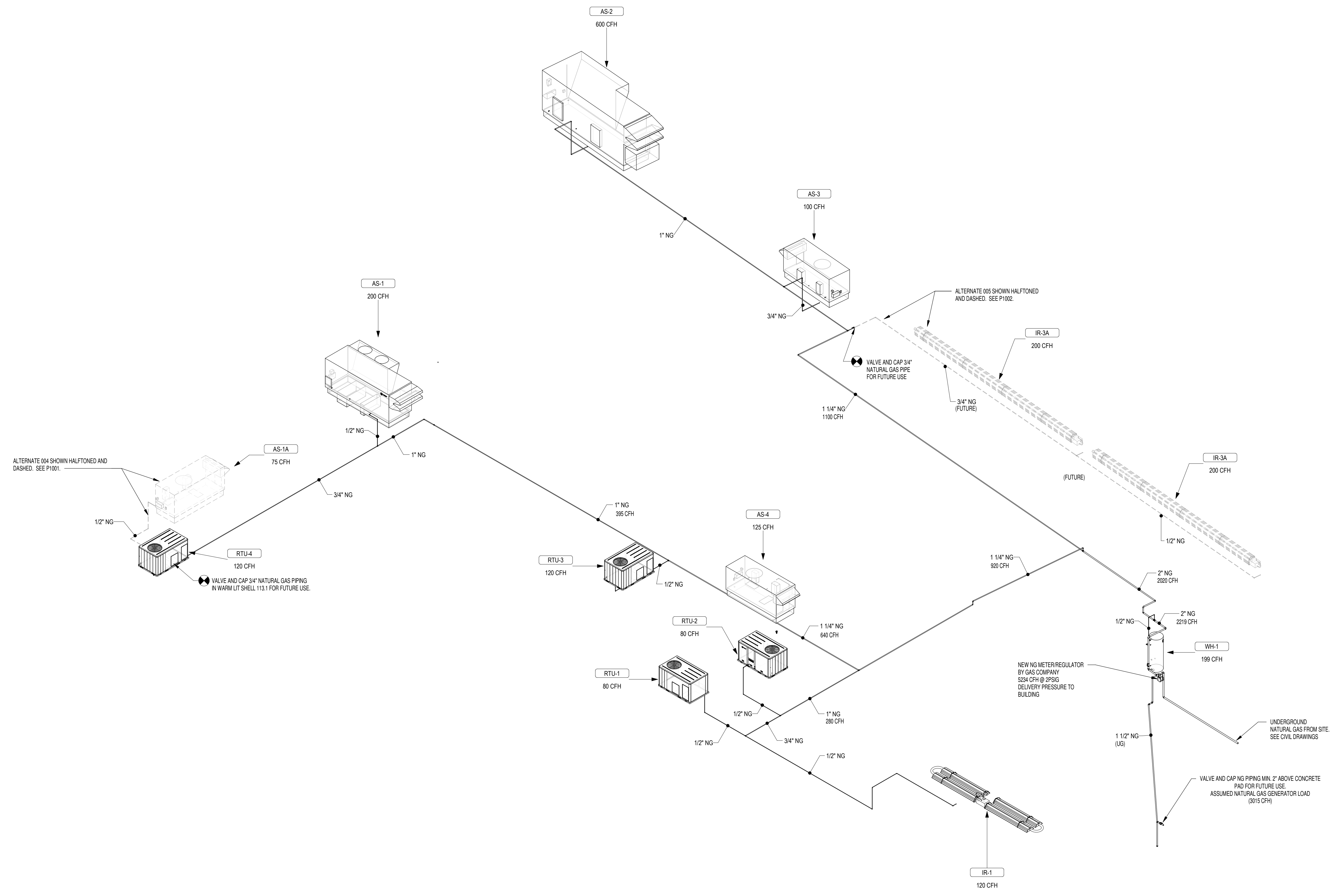
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
DOMESTIC RISER
DIAGRAM

SHEET NUMBER:
P302

GENERAL NOTES:
1. PROVIDE 2PSIG TO 11WC PRESSURE REGULATOR FOR ALL GAS APPLIANCES. PROVIDE VENTS AS RECD.



1 NATURAL GAS RISER DIAGRAM

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY ANIMAL CARE CENTER
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

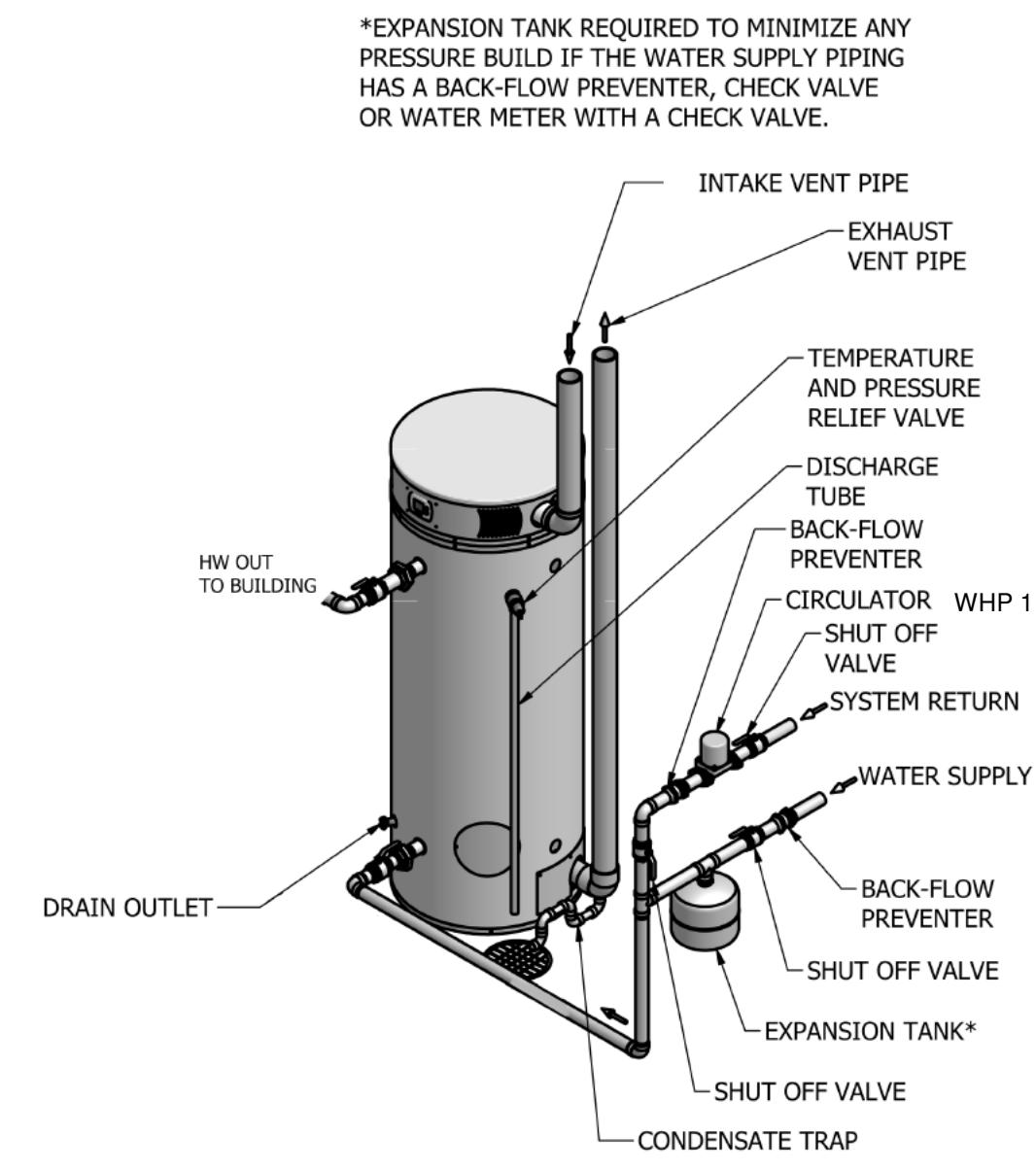
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
NATURAL GAS RISER DIAGRAM

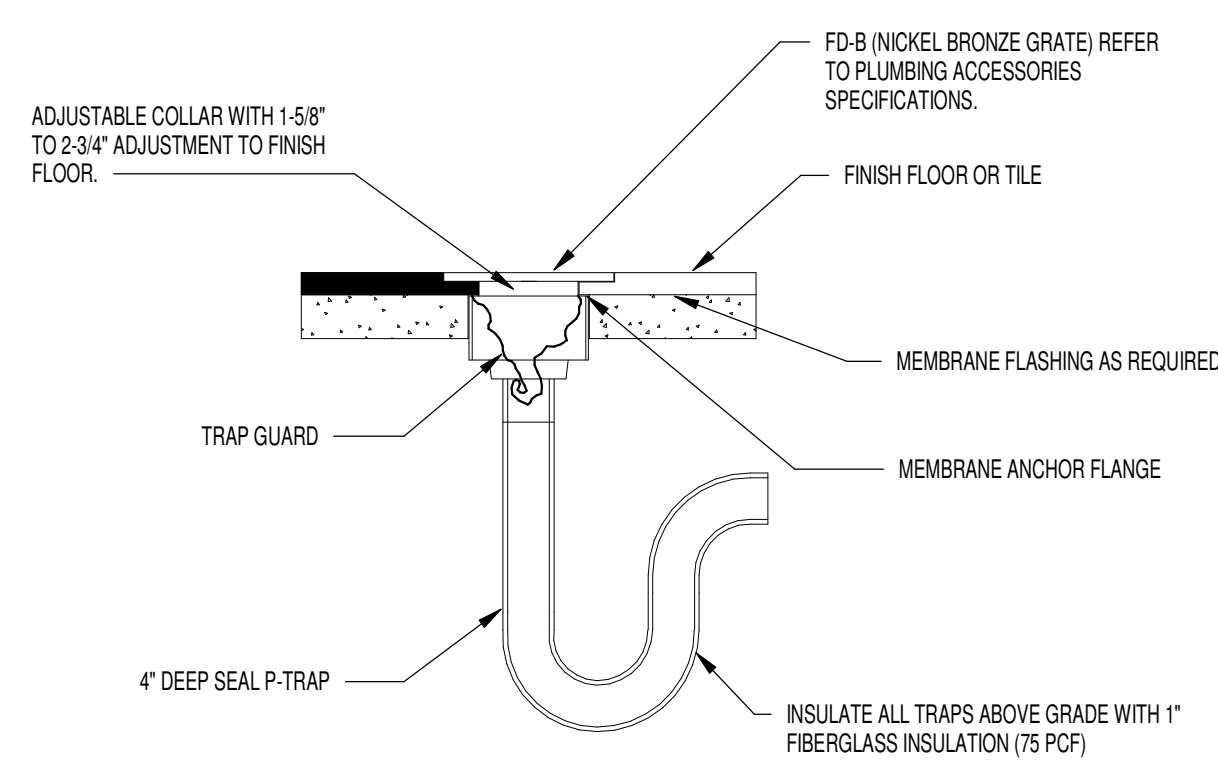
SHEET NUMBER:
P303

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

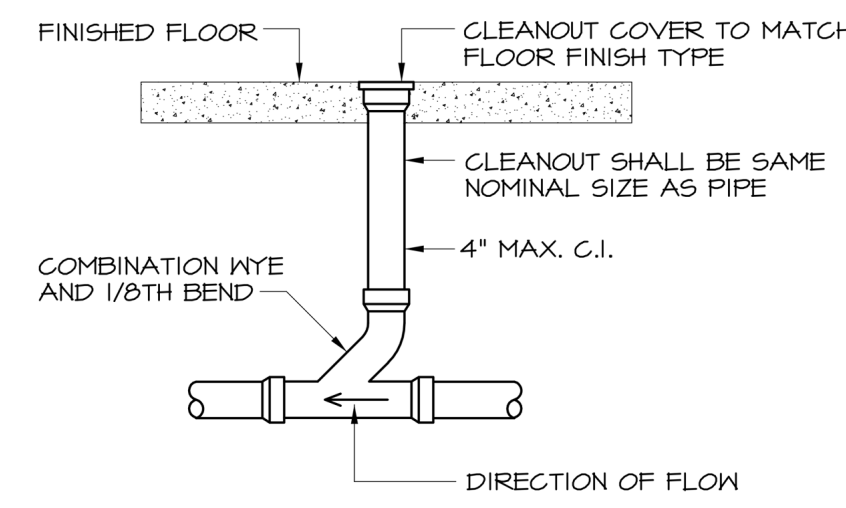
CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS



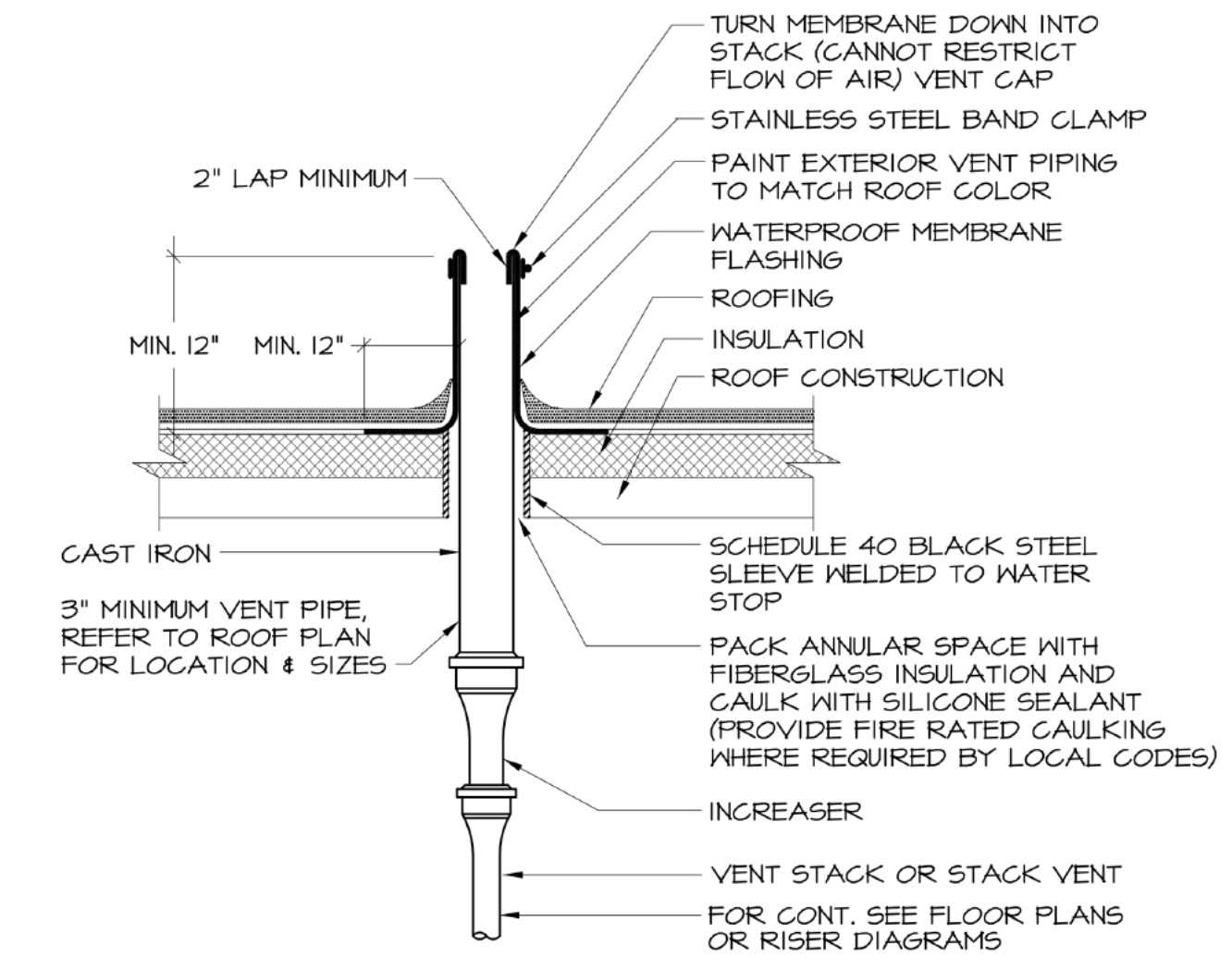
1 DOMESTIC WATER HEATER DETAIL



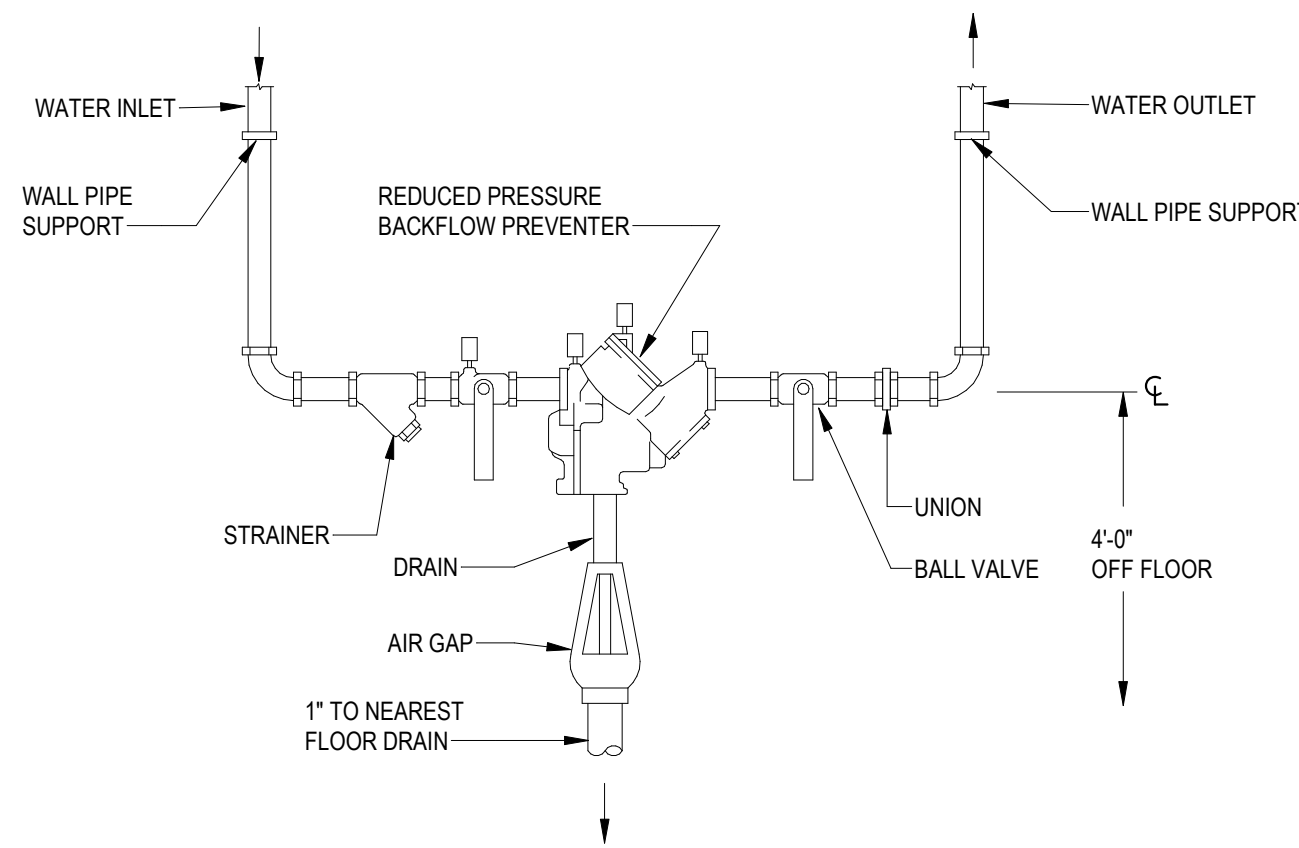
2 FLOOR DRAIN DETAIL



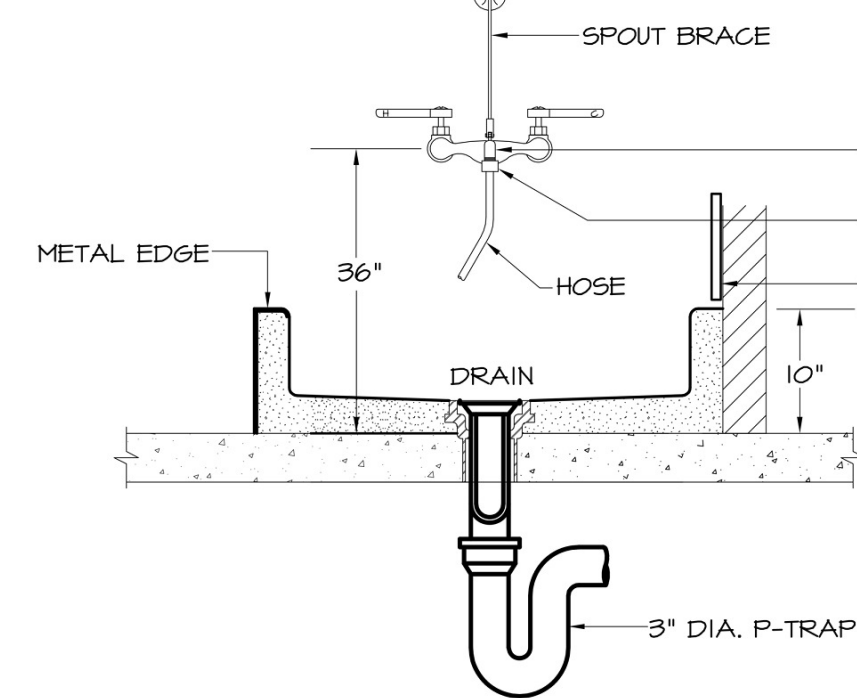
3 FLOOR CLEANOUT DETAIL



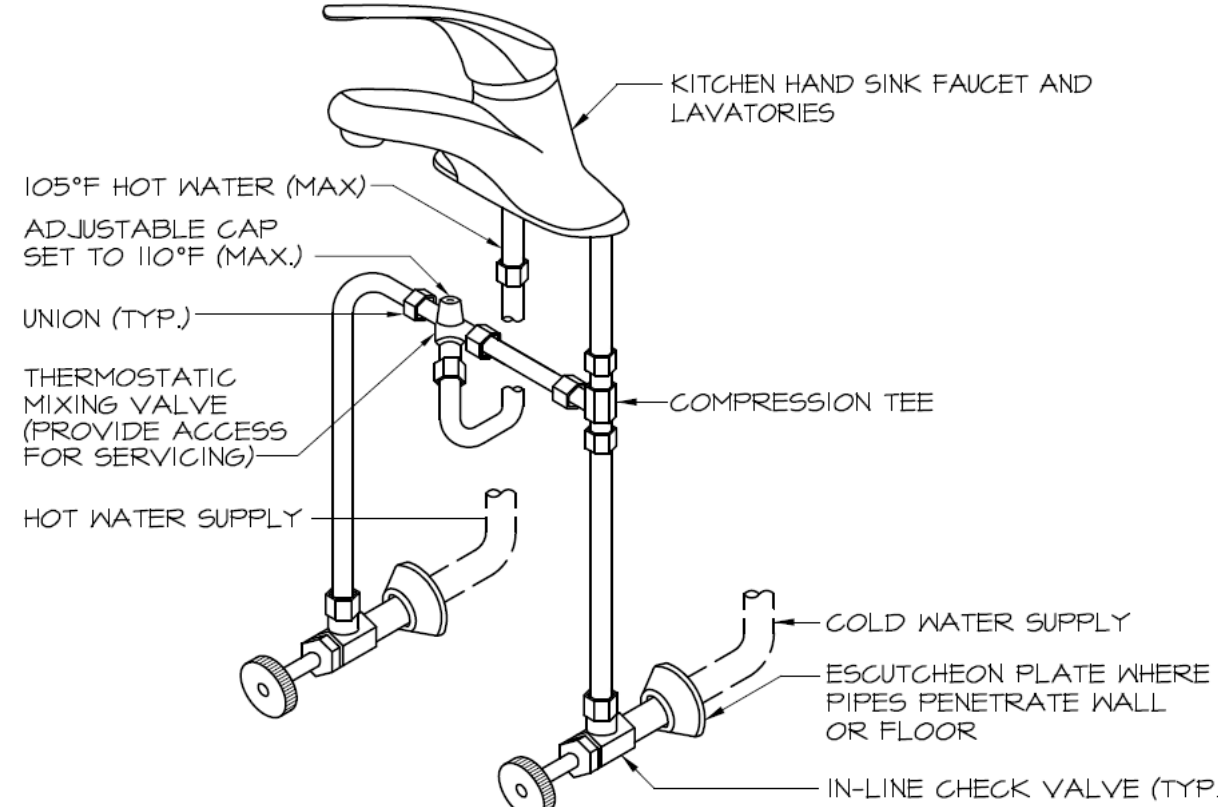
4 VENT THROUGH ROOF DETAIL



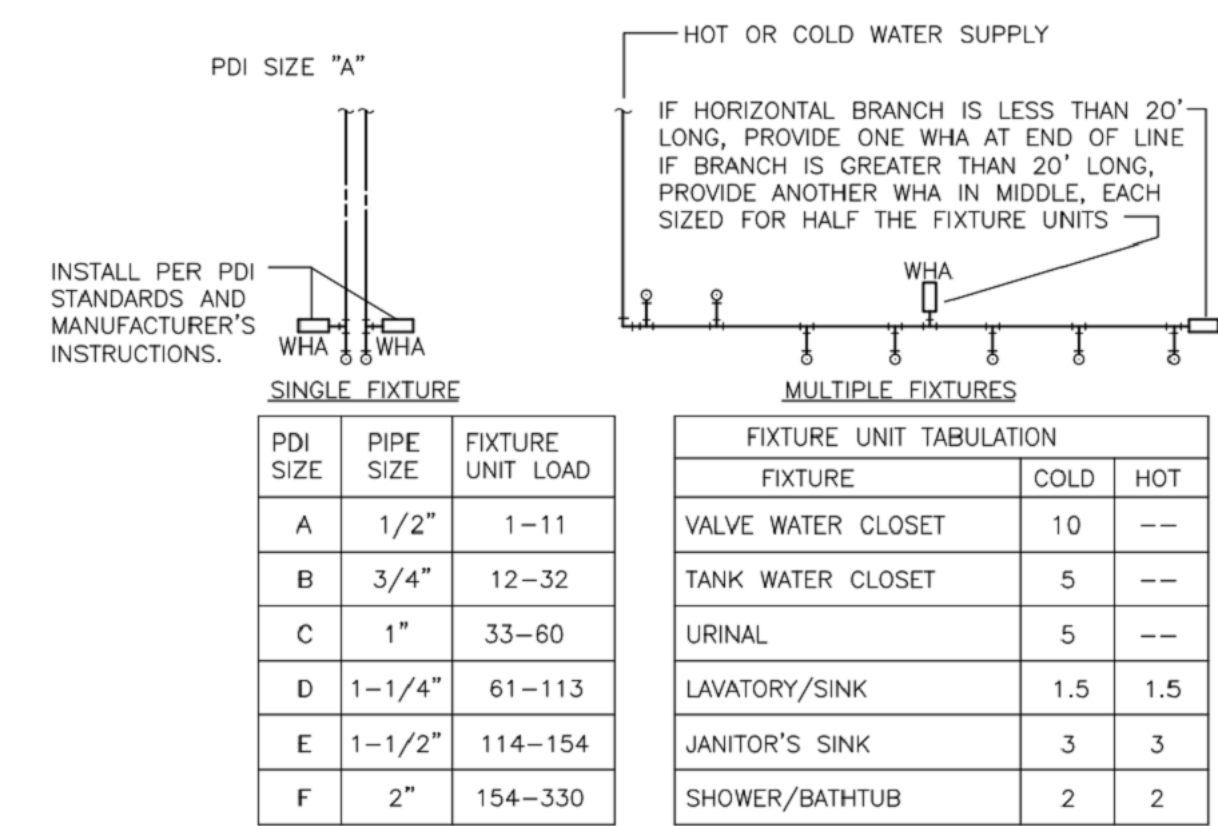
8 BACKFLOW PREVENTER DETAIL



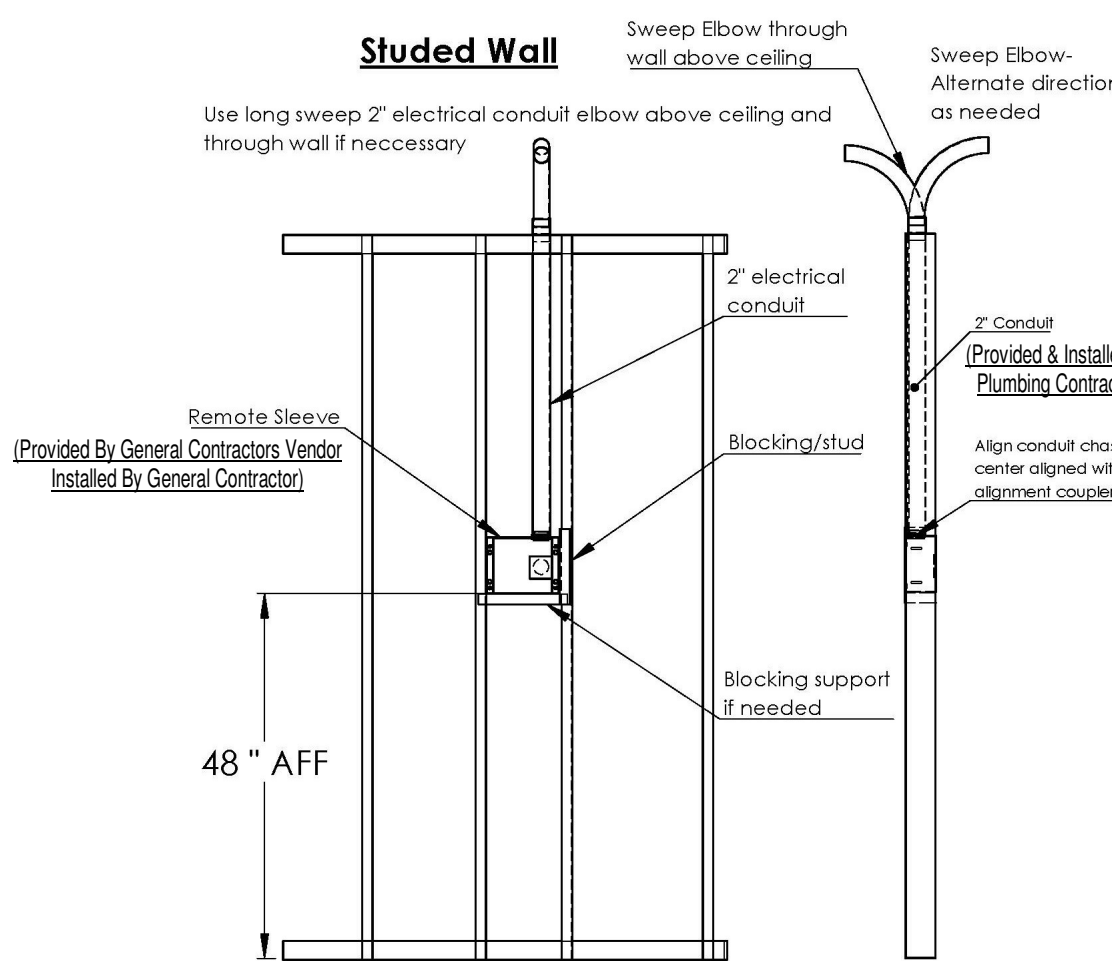
5 JANITOR SINK DETAIL



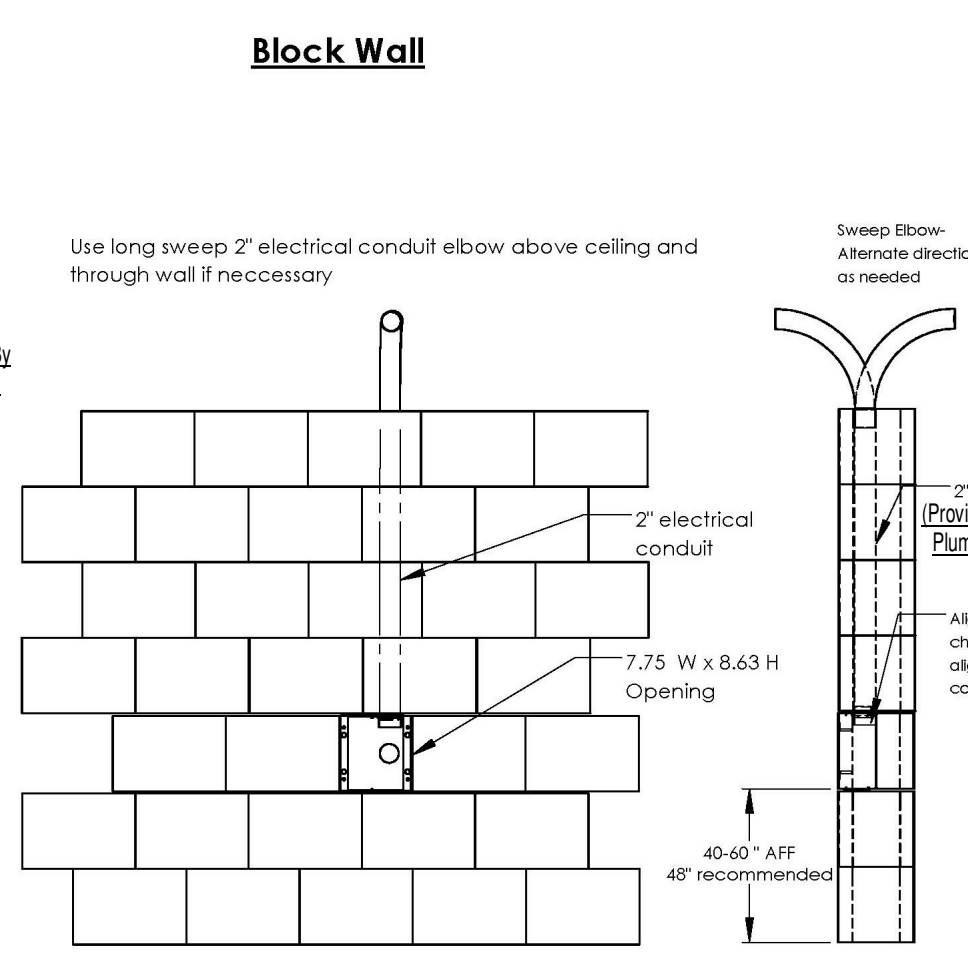
6 DETAIL - LAVATORY FAUCET



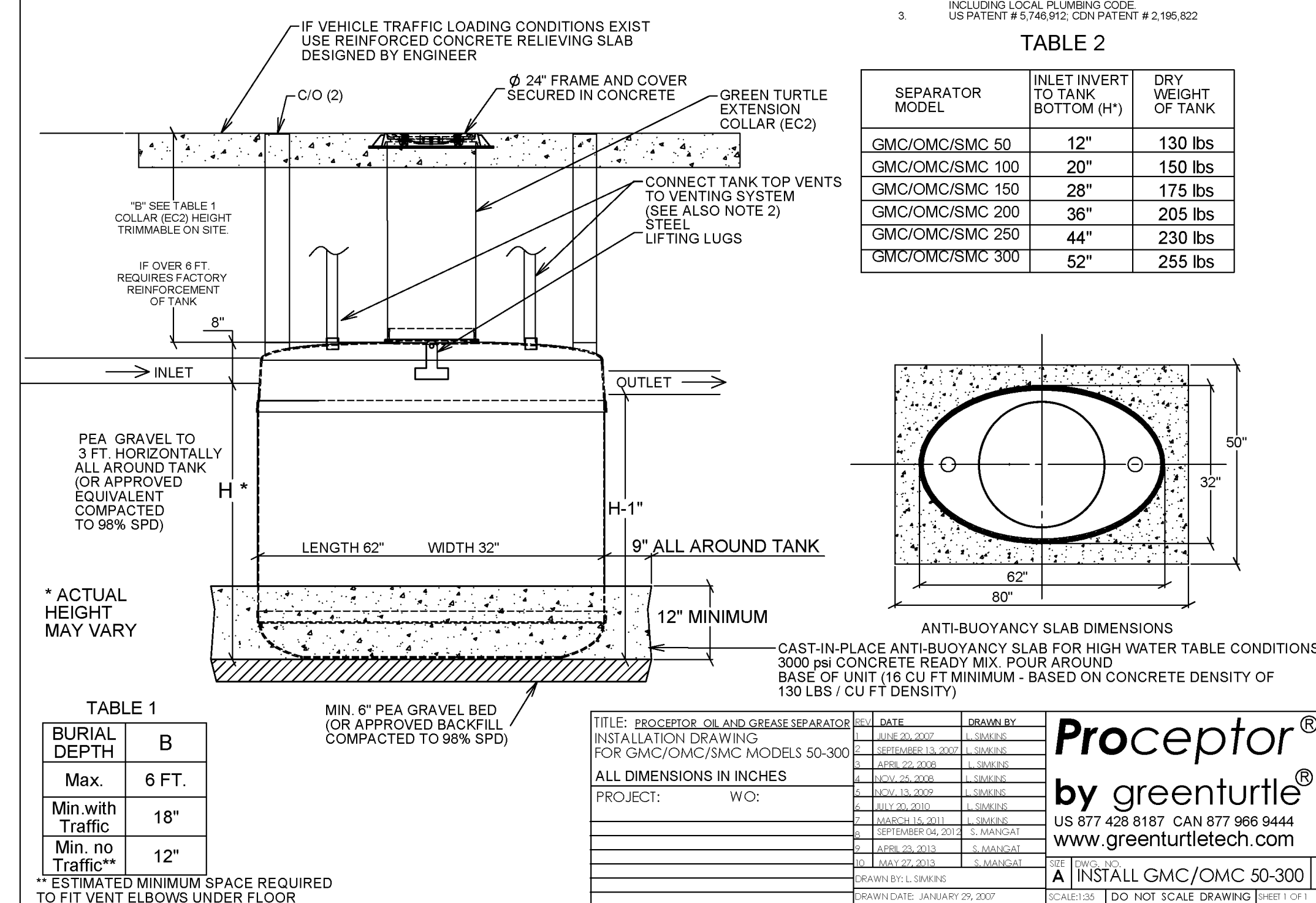
7 WATER HAMMER ARRESTOR DETAIL



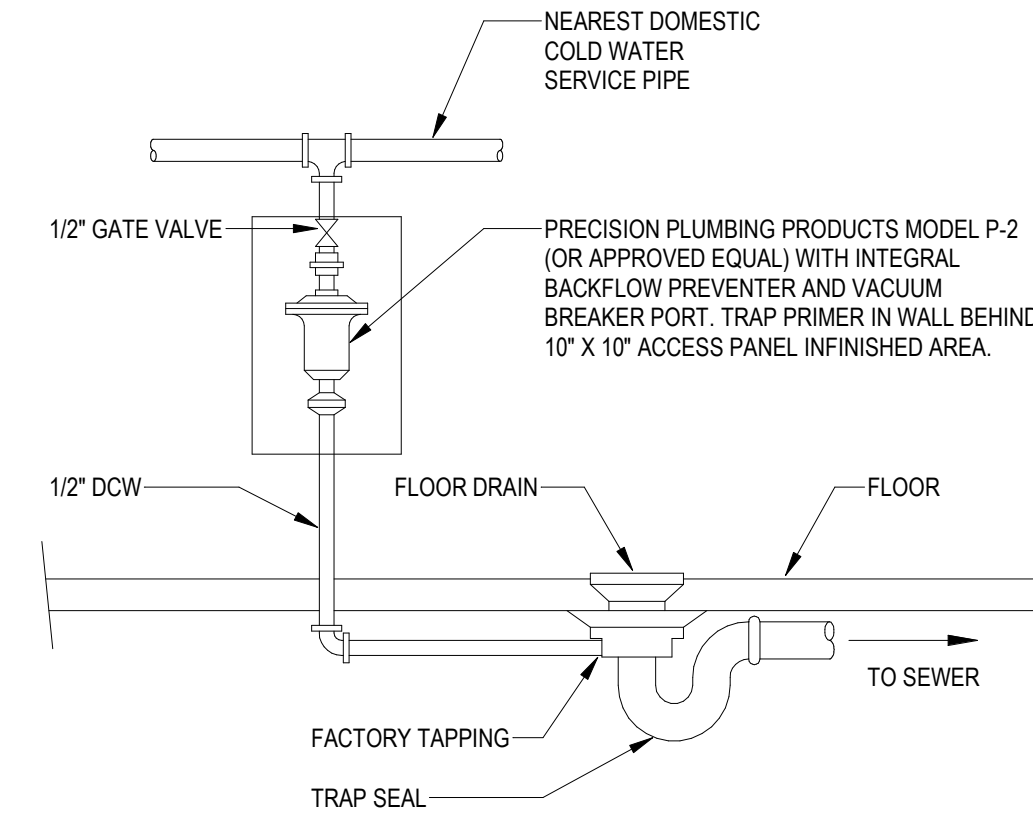
9 PRESSURE WASHER REMOTE STATION DETAIL



GMC/OMC/SMC 50, 100, 150, 200, 250, 300 INSTALLATION DRAWING



10 DETAIL - OIL SAND INTERCEPTOR NOT TO SCALE



11 TRAP PRIMER DETAIL NOT TO SCALE

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
PLUMBING DETAILS

SHEET NUMBER:
P601

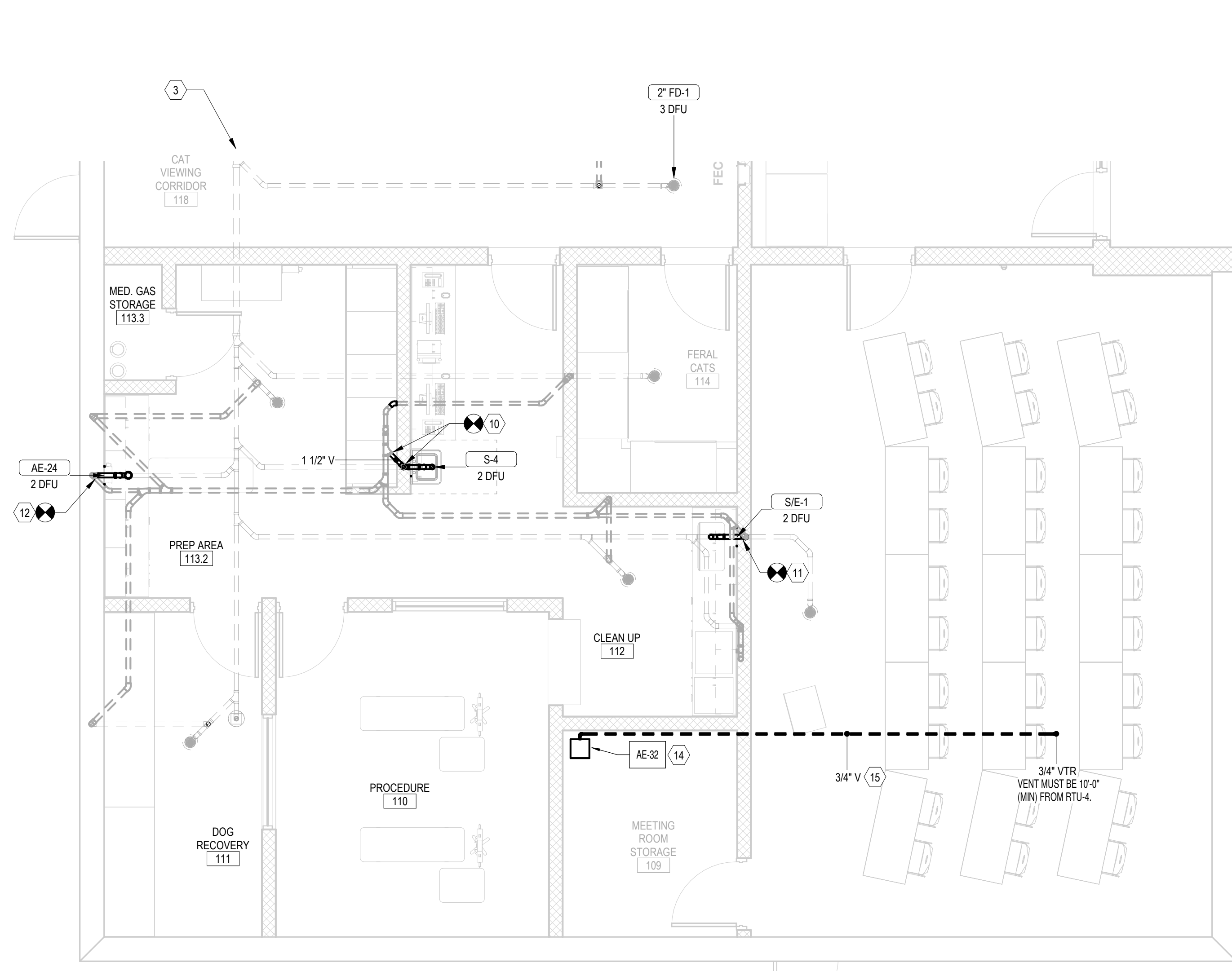
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

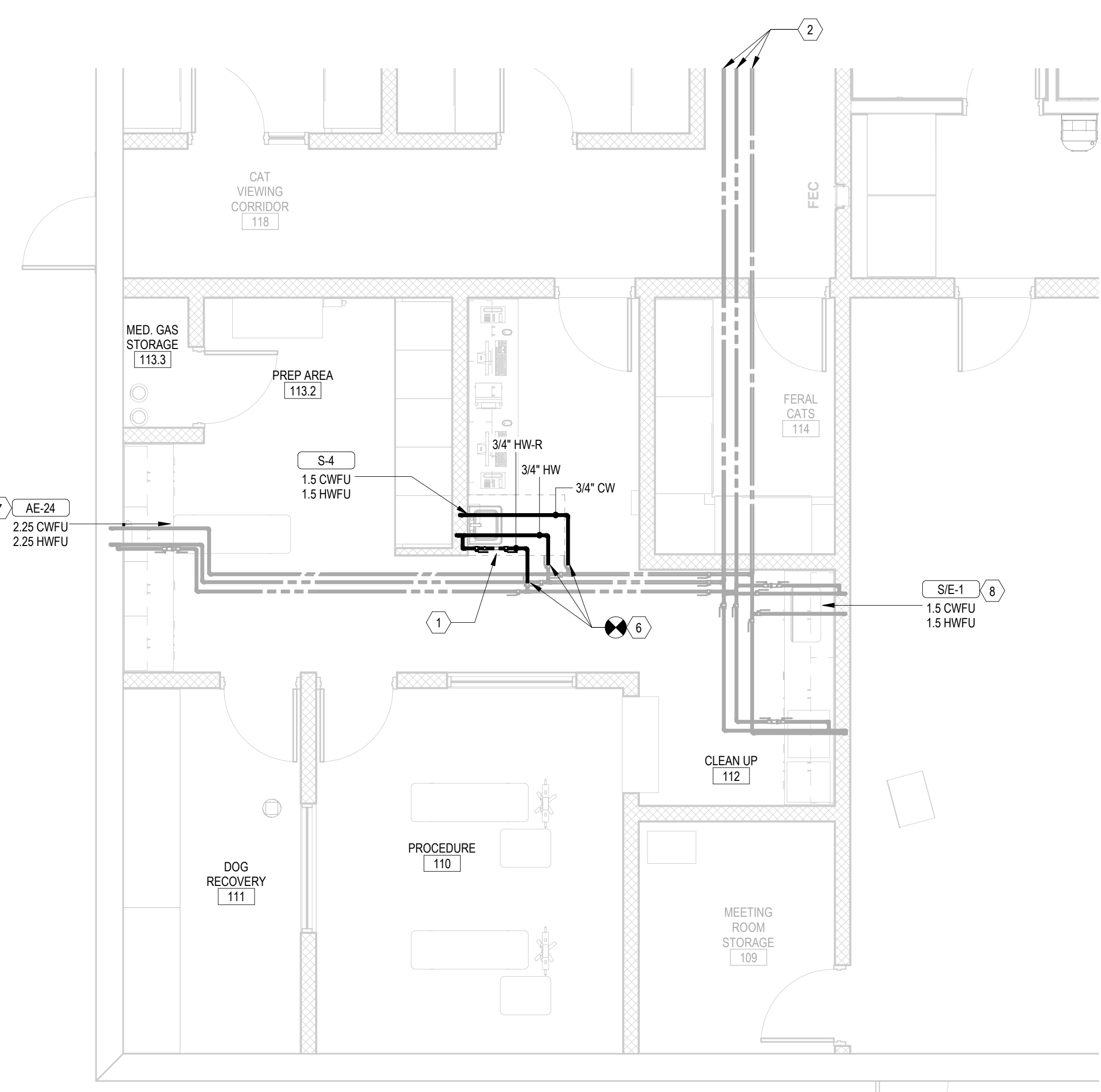
DRAWING TITLE:
ALTERNATE 004 -
SPAY/NEUTER CLINIC

SHEET NUMBER:
P1001

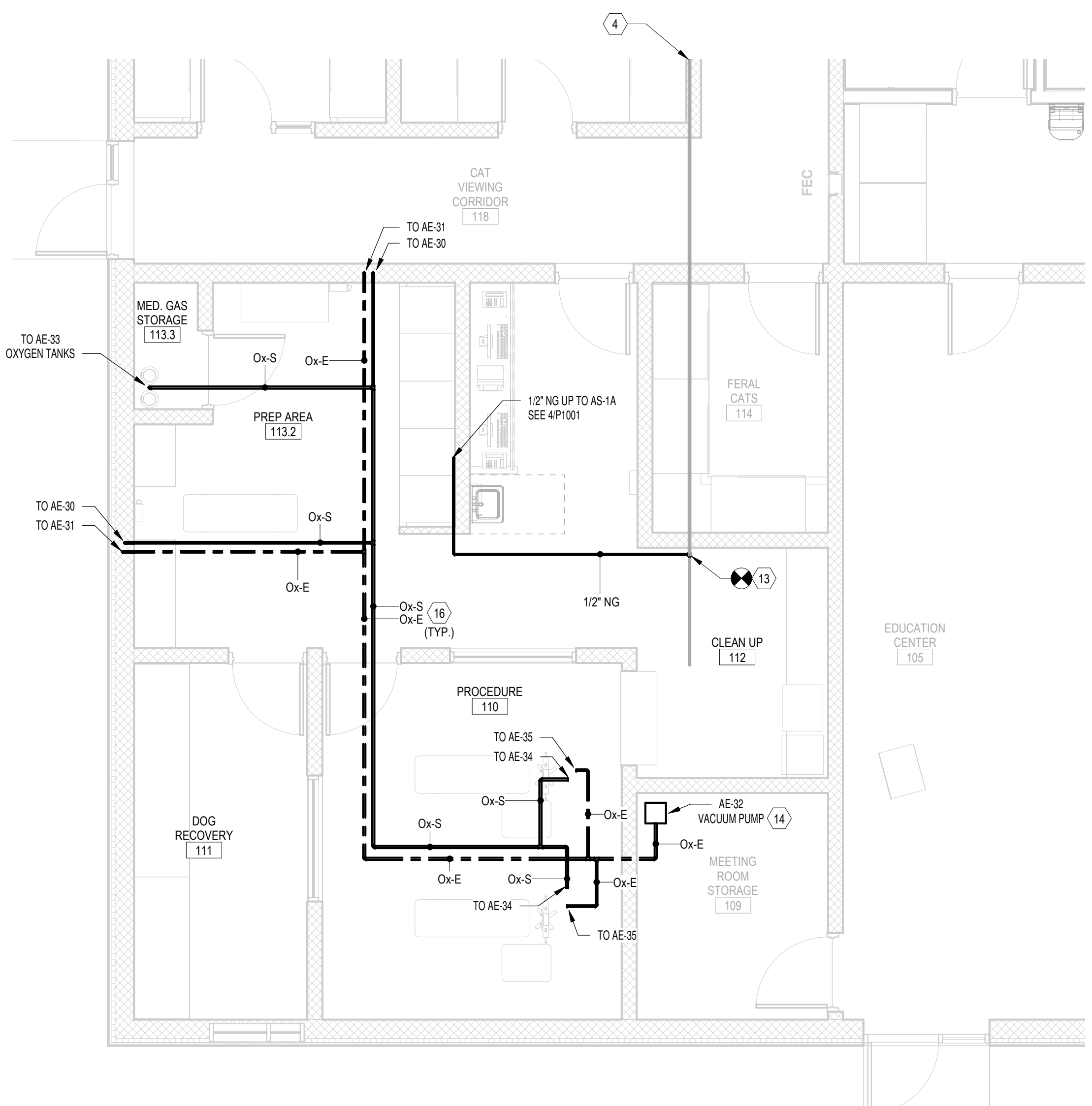
12/19/2019 4:46:17 PM



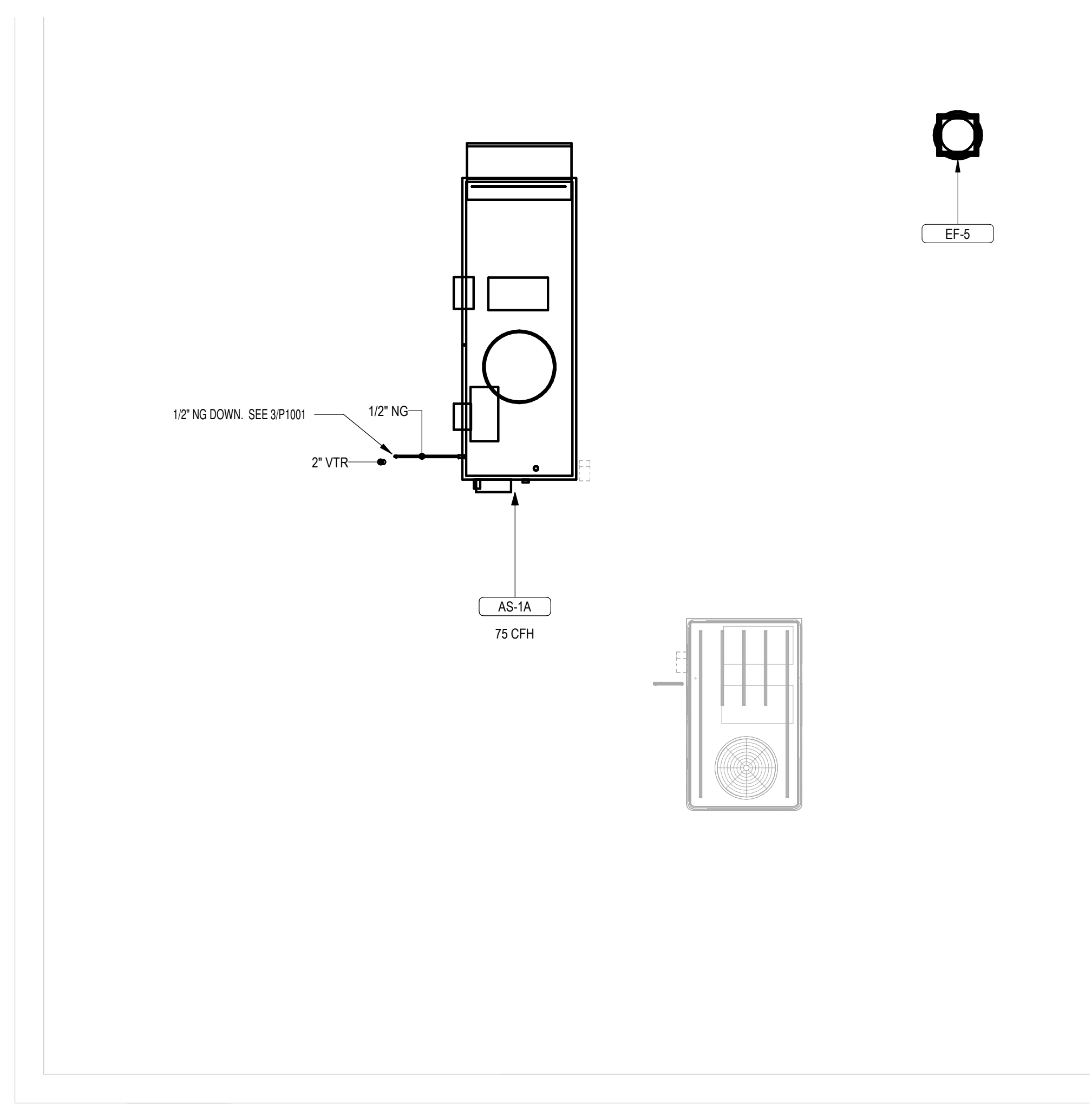
1 ALTERNATE 004: SPAY/NEUTER CLINIC - SANITARY / VENT PLAN
1/4" = 1'-0"



2 ALTERNATE 004: SPAY/NEUTER CLINIC - DOMESTIC WATER NEW WORK PLAN
1/4" = 1'-0"



3 ALTERNATE 004: SPAY/NEUTER CLINIC - NATURAL/MEDICAL GAS PLAN
1/4" = 1'-0"



4 ALTERNATE 004: SPAY/NEUTER CLINIC - ROOFTOP NEW WORK PLAN
1/4" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
ENGINEERING ARCHITECTURE CONSULTING

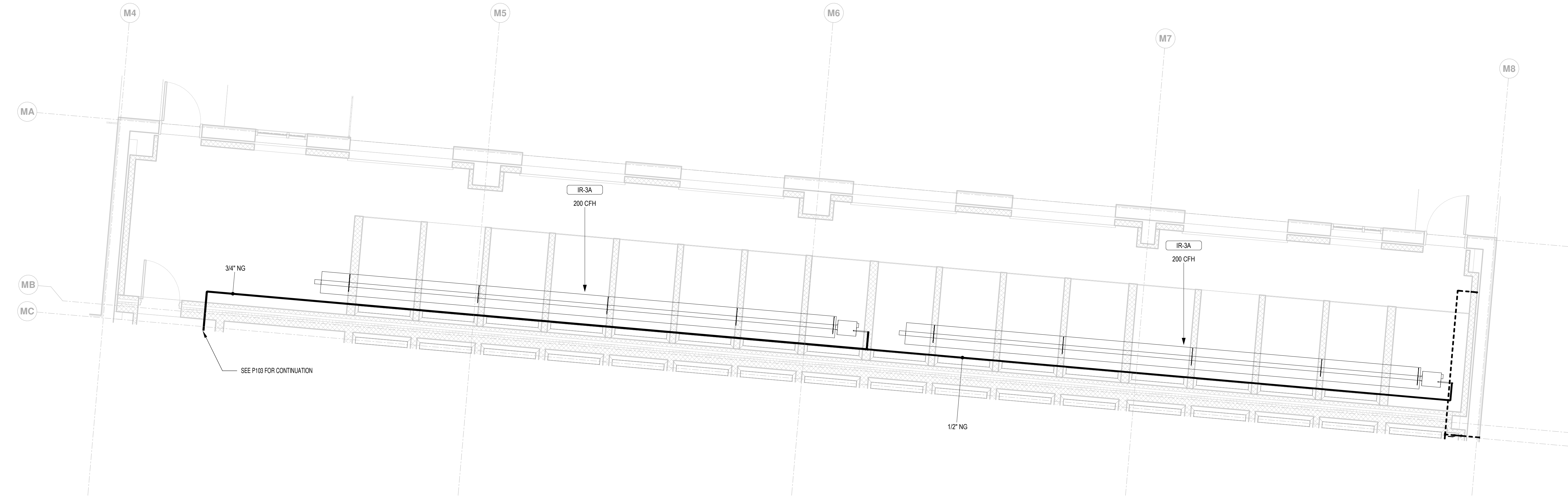
CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ALTERNATE 006-
OUTDOOR DOG RUN
HEATERS
SHEET NUMBER:
P1002

12/19/2019 4:51:42 PM



1 ALTERNATE 006: OUTDOOR DOG RUN HEATERS - NATURAL GAS PLAN
1/4" = 1'-0"

Identify Mark	Count	Description	Manufacturer	Model	GAS			ELECTRICAL			Type Comments	
					Heating Input	Minimum Inlet Pressure	Maximum Inlet Pressure	Voltage	Number of Poles	Frequency		Full Load Amps
IR-3A	2	Vantage Premium Harsh Environment Gas Fired Heater with High Efficiency Reflectors	Roberts Gordon®	HEV-125	125000 Btu/h	4.60 in-wg	14.00 in-wg	120 V	1	60 Hz	1.0 A	USE ZERO BOUNCE BACK, 1/2 SURFACE, PARABOLIC REFLECTORS RATED AT EF-15 AS TESTED BY AHR1 1330 STANDARD. PROVIDE NEMA 4X MOISTURE RESISTANT LINE VOLTAGE THERMOSTAT. REFLECTORS SHALL BE ANGLED AT 45 DEGREES INTO SPACE.

- NOTES:
1. INCLUDE COMPLETE SYSTEM, BURNER/PUMPS/CONTROL PANEL MOUNTING HARDWARE
 2. TUBING SHALL BE HEAT TREATED ALUMINIZED OR HOT ROLLED STEEL AS INDICATED ON PLAN DRAWINGS.
 3. ALL BURNERS SHALL HAVE COMBUSTION INTAKE FILTERS.
 4. PROVIDE 120V, 20 AMP SYSTEM CONTROL PANEL, MANUFACTURER MODEL #0277002 AND RECOMMENDED 24-VOLT THERMOSTATS.



**CHARLES COUNTY GOVERNMENT
DEPARTMENT OF UTILITIES
FIRE HYDRANT PRESSURE & FLOW REPORT**

Date: 12-7-19 Time: 11:00am Temperature: 72°

Test Made By: D.D.H. Purpose of Project:

RESIDUAL HYDRANT: Street Location: Pine Church Rd and St Louis Dr

Test Designation# _____ Type of Hydrant: 2007 Mueller

Nozzle Size: 2 1/2 Nozzle Type: _____ Coefficient: _____

Static Pressure Reading: 76 psi

Residual Pressure Reading: 35 psi

FLOW HYDRANT: Street Location: Pine Church Rd and St Louis Dr

Test Designation# _____ Type of Hydrant: 2007 Mueller

Nozzle Size: 2 1/2 Nozzle Type: _____ Coefficient: _____

Actual Flow from Hydrant: 998 gpm

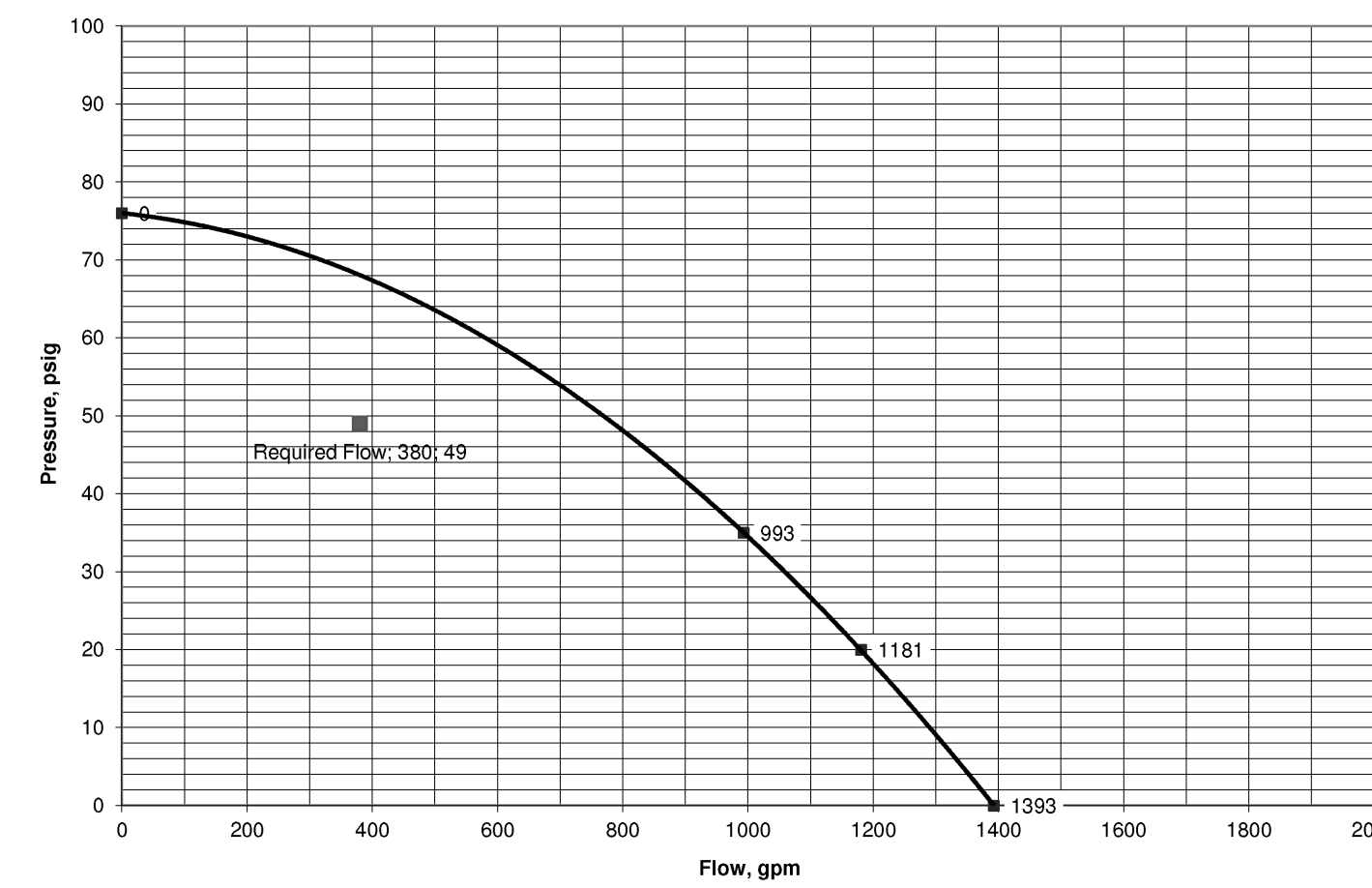
Are any pumps/wells operating nearby (circle one) YES NO

Which Ones: _____

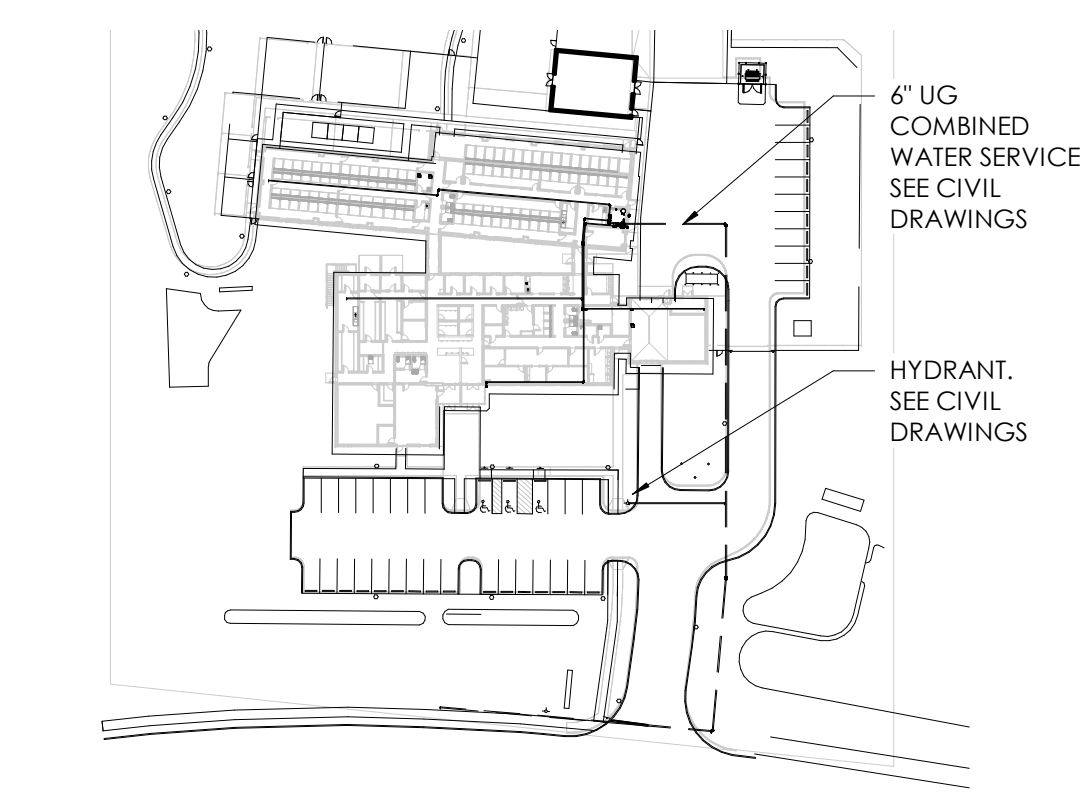
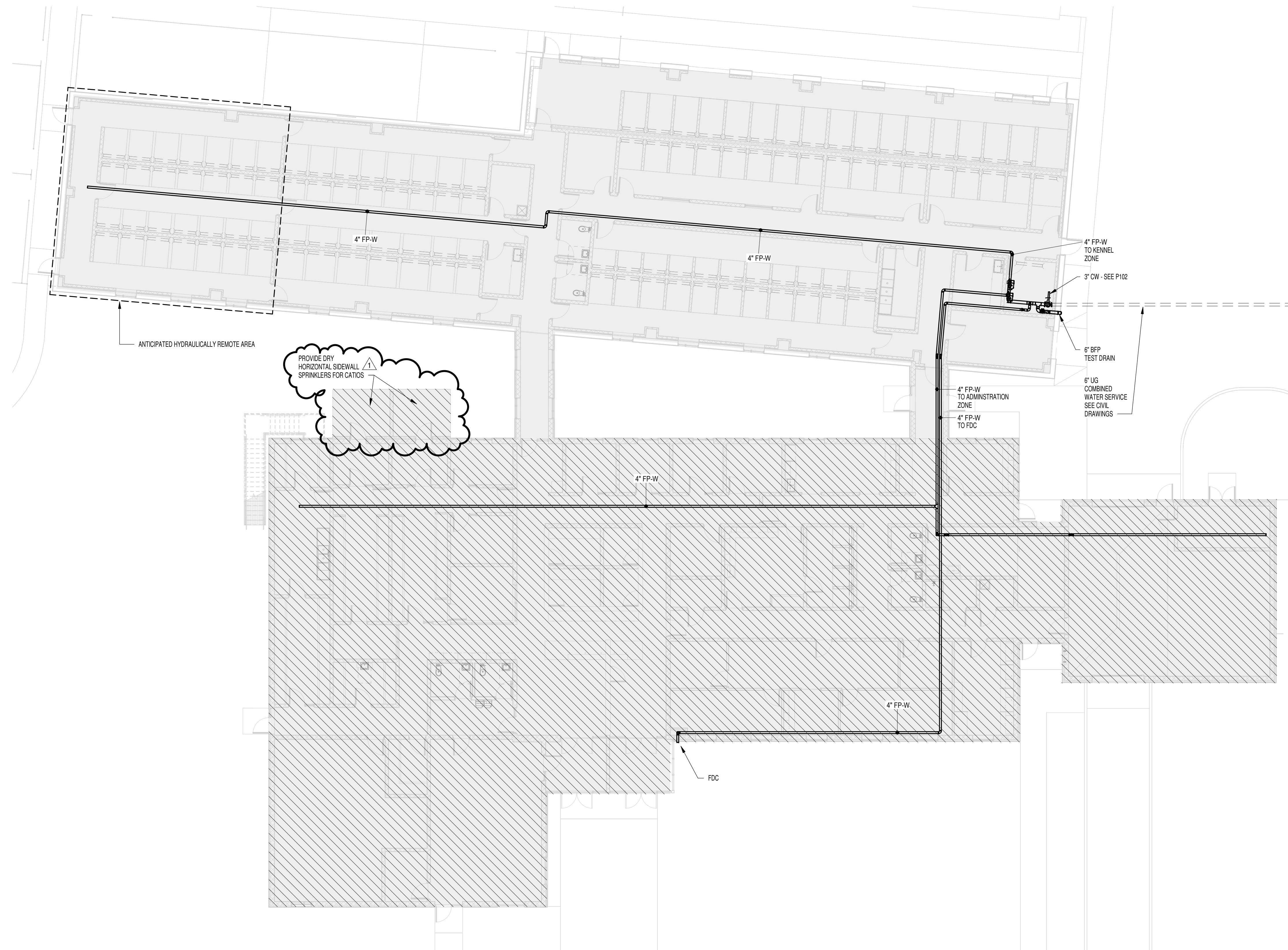
PROVIDE NOTES, COMMENTS, REMARKS, AND SKETCH ON BACK OF SHEET

FIRE SPRINKLER ROUGH PRESSURE BUDGET	
DESIGN CRITERIA	
HAZARD CLASS	Light Hazard
DESIGN DENSITY	0.1 GPM/SF
DESIGN AREA	1500 SF
QUICK RESPONSE SPRINKLERS? If so, enter Design Area	
Percent reduction from NFPA 13 Fig 11.2.3.2.3.1	0 % reduction
INSIDE/OUTSIDE HOSE ALLOWANCE	100 GPM
ADDITIONAL FLOW	100 GPM
SYSTEM INFORMATION	
MAX. AREA / SPRINKLER HEAD (NFPA 13 8.6.2.2)	130 SF
# SPRINKLERS IN DESIGN AREA	12
FLOW ESTIMATE	
AVERAGE FLOW / SPRINKLER	15 GPM
TOTAL SPRINKLER FLOW	180 GPM
TOTAL REQUIRED FLOW	380 GPM
PRESSURE ESTIMATE	
SPRINKLER K FACTOR	5.6
REQ'D ORIFICE PRESSURE	8 PSI
WHOLE BLDG SPRINKLER SYSTEM DEMAND	
REQ'D ORIFICE PRESSURE	8 PSI
ELEVATION OF HIGHEST SPRINKLER ABOVE SUPPLY	25 FT
BACKFLOW PREVENTER PRESSURE DROP	10 PSI
PIPING LOSS FROM HYDRANT TO BLDG. TTL FLOW THRU 6" MAIN FOR 1000FT	16.8 FT
PIPING LOSS FROM MAIN TO HEADS: 250FT MAIN 4" PIPE @180GPM	4.75 FT
PIPING LOSS FROM MAIN TO HEADS: 50FT 2" BRANCH @180GPM	1.5 FT
SAFETY FACTOR	10 PSI
TOTAL REQUIRED PRESSURE	49 PSI

WATER FLOW TEST CHART



3 FIRE PROTECTION PRELIMINARY CALCULATIONS



**2 FIRE PROTECTION SITE PLAN
1" = 100'-0"**

LEGEND:

	FIRE PROTECTION ADMINISTRATION SPRINKLER ZONE OCCUPANCY: LIGHT HAZARD DESIGN DENSITY: 0.10 GPM/SF DESIGN AREA: 1500 SF
	FIRE PROTECTION KENNEL SPRINKLER ZONE OCCUPANCY: LIGHT HAZARD DESIGN DENSITY: 0.10 GPM/SF DESIGN AREA: 1500 SF

- FIRE PROTECTION GENERAL NOTES**
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
 - PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
 - THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
 - REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
 - DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
 - ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
 - THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
 - AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
 - AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
 - AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.
 - SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
 - ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM.
 - THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
 - THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.

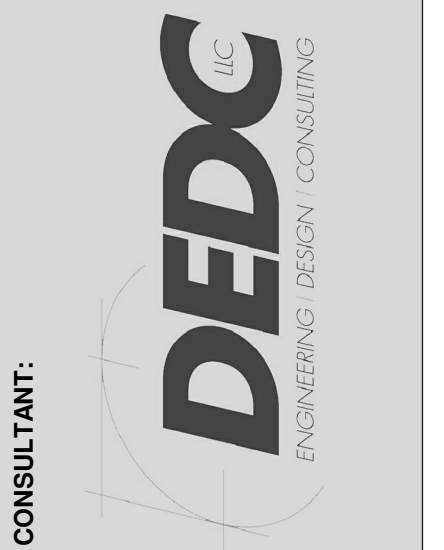
GENERAL NOTES:

- THE BUILDING SHALL BE PROTECTED THROUGHOUT WITH A HYDRAULICALLY CALCULATED WET AUTOMATIC FIRE SPRINKLER SYSTEM; FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE CODES AS STATED BELOW:
- MD BUILDING CODE: IBC 2015 WITH AMENDMENTS
 - NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
 - NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTANCES
 - NFPA 25 - STANDARD FOR THE INSPECTION, TESTING AND MAINTNANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
 - NFPA 70 - NATIONAL ELECTRICAL CODE
 - NFPA 72 - NATIONAL FIRE ALARM CODE
 - UL FIRE PROTECTION LIST - LATEST EDITION
 - FM GLOBAL PROPERTY LOSS PREVENTION DATA SHEETS - LATEST EDITION
 - FM GLOBAL APPROVAL GUIDE - LATEST EDITION

**1 FIRE PROTECTION PLAN
3/32" = 1'-0"**



10839 D PHILADELPHIA RD
WHITE MARSH, MD 21162
(P) 410-344-1460
(F) 443-403-2460
(E) INFO@MWSARCH.COM
WWW.MWSARCH.COM



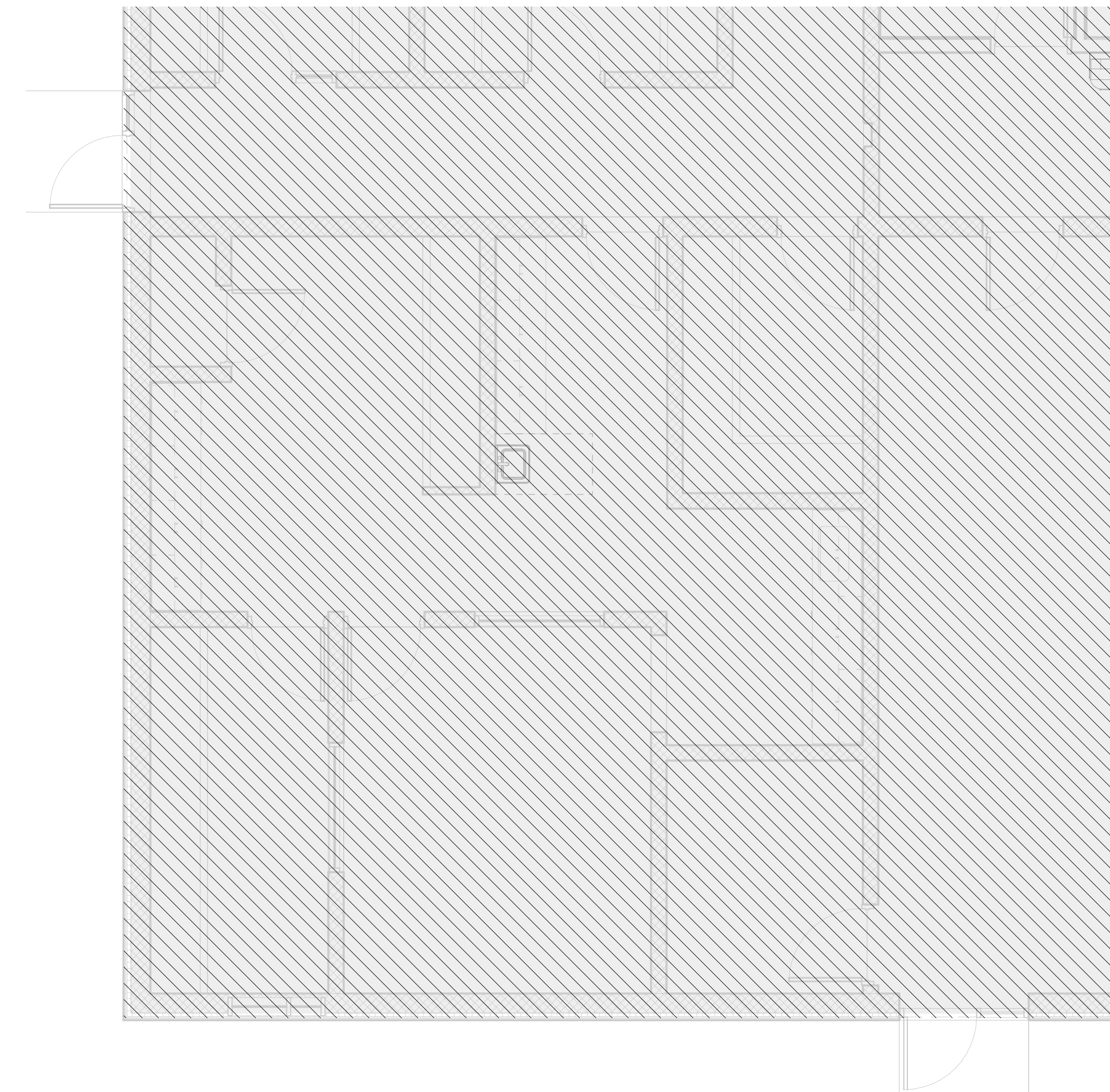
**CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602**

NO.	DESCRIPTION	DATE
1	Permit Response	3-3-20
PROJECT NUMBER: 18-034		
PROJECT SET: PERMIT		
DATE ISSUED: 12/23/2019		
DRAWING TITLE: FIRE PROTECTION PLAN		
SHEET NUMBER: F101		

GENERAL NOTES:

THE BUILDING SHALL BE PROTECTED THROUGHOUT WITH A HYDRAULICALLY CALCULATED WET AUTOMATIC FIRE SPRINKLER SYSTEM; FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE CODES AS STATED BELOW:

- MD BUILDING CODE: IRC 2015 WITH AMENDMENTS
- NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTANCES
- NFPA 25 - STANDARD FOR THE INSPECTION, TESTING AND MAINTANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
- NFPA 70 - NATIONAL ELECTRICAL CODE
- NFPA 72 - NATIONAL FIRE ALARM CODE
- UL FIRE PROTECTION LIST - LATEST EDITION
- FM GLOBAL PROPERTY LOSS PREVENTION DATA SHEETS - LATEST EDITION
- FM GLOBAL APPROVAL GUIDE - LATEST EDITION



1 ALTERNATE 004: SPAY/NEUTER CLINIC - FIRE PROTECTION PLAN
1/4" = 1'-0"

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

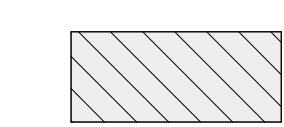
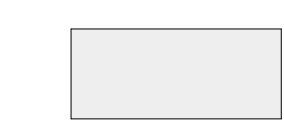
NO.	DESCRIPTION	DATE

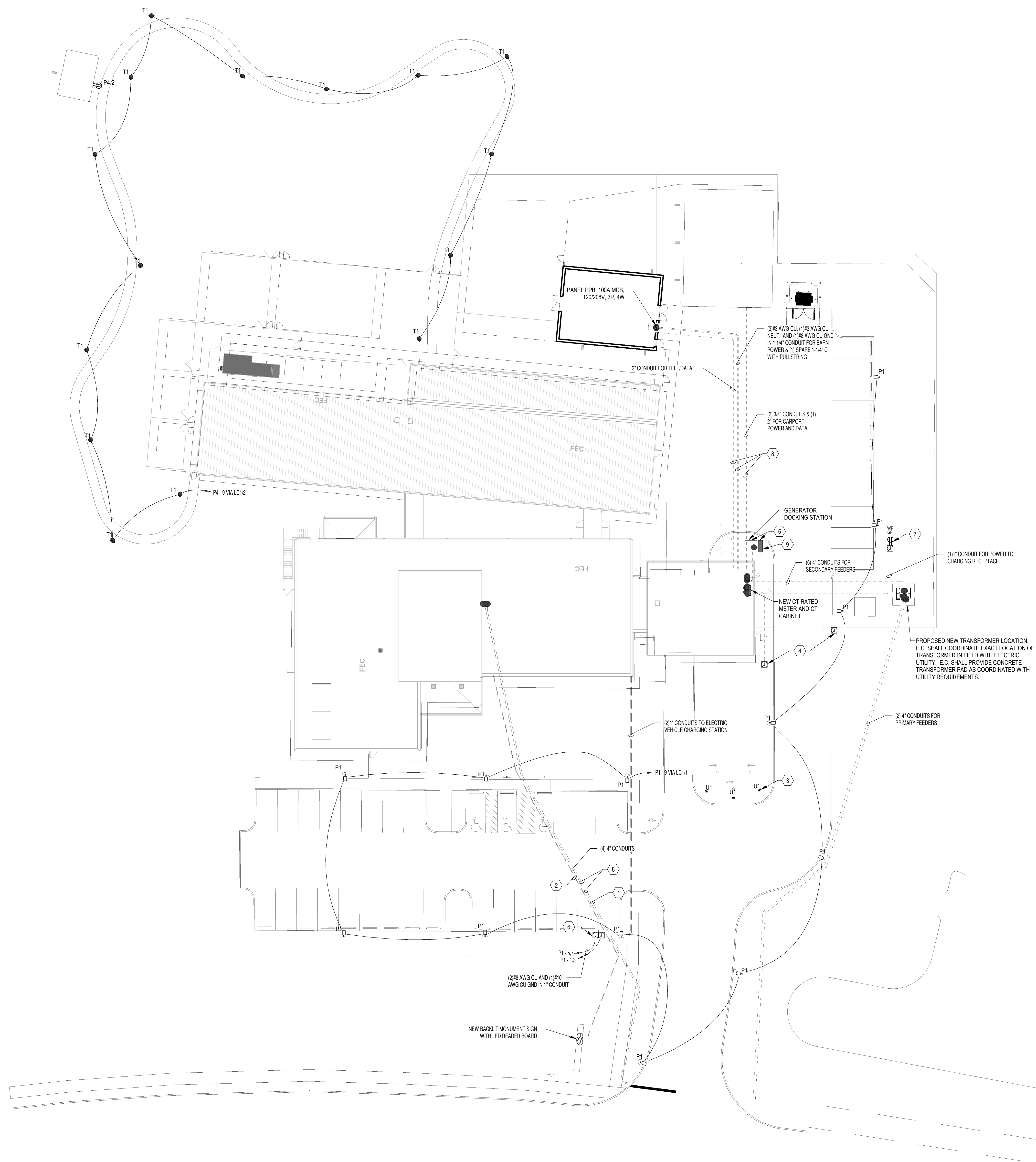
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ALTERNATE 004 -
SPAY/NEUTER CLINIC

SHEET NUMBER:
F1001

LEGEND:

-  FIRE PROTECTION ADMINISTRATION SPRINKLER ZONE
OCCUPANCY: LIGHT HAZARD
DESIGN DENSITY: 0.10 GPM/SF
DESIGN AREA: 1500 SF
-  FIRE PROTECTION KENNEL SPRINKLER ZONE
OCCUPANCY: LIGHT HAZARD
DESIGN DENSITY: 0.10 GPM/SF
DESIGN AREA: 1500 SF



- General Notes - Site Plans**
- ALL CONDUITS SHALL BE FURNISHED AND INSTALLED WITH PULLSTRINGS. ALL CONDUITS SHALL BE INSTALLED IN TRENCH UTILIZING RED METALLIC MARKER TAPE AT A MAXIMUM OF 12" B.F.G. CENTERED OVER TOP OF CONDUITS IN TRENCH.
 - E.C. SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL PRIMARY AND SECONDARY CONDUITS FROM PRIMARY ELECTRICAL UTILITY CONNECTION POINT TO THE TRANSFORMER AND THEN FROM THE TRANSFORMER TO THE ELECTRICAL SERVICE ENTRANCE DISCONNECT. E.C. SHALL FURNISH AND INSTALL PULLSTRINGS IN ALL ELECTRICAL UTILITY SERVICE CONDUITS. E.C. SHALL FURNISH AND INSTALL NEW TRANSFORMER CONCRETE PAD AS COORDINATED WITH ELECTRICAL UTILITY. E.C. SHALL PROVIDE ALL OPENINGS IN TRANSFORMER PAD FOR PRIMARY AND SECONDARY CONDUIT INSTALLATION INTO TRANSFORMER ENCLOSURE. E.C. SHALL FURNISH AND INSTALL CT CABINET AND METER PAN FOR ELECTRICAL SERVICE.
 - ALL CONDUCTORS FEEDING EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM AND SHALL BE RAN IN 1" CONDUIT.
 - E.C. SHALL FURNISH AND INSTALL A NEW CONCRETE PAD FOR THE STANDBY GENERATOR. E.C. SHALL COORDINATE LOCATION OF GENERATOR WITH ARCHITECTURAL AND CIVIL DRAWINGS.
 - ELECTRICAL SERVICE ENTRANCE FEEDERS SHALL BE FURNISHED AND INSTALLED IN CONCRETE DUCTBANK. SEE CONCRETE DUCTBANK DETAIL ON DRAWING E901.
 - E.C. SHALL COORDINATE ALL SITE ELECTRICAL WORK IN FIELD.

- KEYNOTES**
- E.C. SHALL FURNISH AND INSTALL (4) 4" CONDUITS OUT TO UTILITY TELEDATA UTILITY COMPANY CONNECTION POINT. E.C. SHALL COORDINATE EXACT LOCATION OF CONNECTION IN FIELD WITH UTILITY REPRESENTATIVE.
 - E.C. SHALL FURNISH AND INSTALL (2) 1" CONDUITS FROM BUILDING PERIMETER WALL OUT TO MONUMENT SIGN TO MAKE POWER AND DATA CONNECTIONS. E.C. SHALL FURNISH AND INSTALL CUT-FR. CABLE TO MONUMENT SIGN FROM I.T. ROOM. E.C. SHALL INSTALL CONDUITS AT 3'-0" B.F.G. AS MEASURED TO TOP OF CONDUIT. E.C. SHALL COORDINATE ALL WORK IN FIELD.
 - FLOODLIGHTS FOR FLAGPOLE ILLUMINATION. E.C. TO COORDINATE ORIENTATION AND PLACEMENT IN FIELD WITH FLAGPOLE LOCATION. E.C. SHALL ENSURE PROPER ILLUMINATION OF FLAG USING FLOODLIGHTS PRIOR TO COMPLETION OF WORK.
 - POWER AND DATA FOR GATE. E.C. SHALL COORDINATE EXACT LOCATION AND CIRCUITING REQUIREMENTS IN FIELD PRIOR TO INSTALLATION.
 - E.C. SHALL FURNISH AND INSTALL AN 800A, 120/208V, DOCKING STATION FOR CONNECTION OF A TEMPORARY ROLL-UP GENERATOR IN THE BASE BID. E.C. SHALL FURNISH A NEW CONCRETE PAD SIZED FOR A FUTURE 300kW PERMANENT GENERATOR IN THIS LOCATION AS PART OF THE BASE BID WITH CONDUITS FROM THE AUTOMATIC TRANSFER SWITCH TO THE GENERATOR PAD AND STUBBED UP. E.C. SHALL COORDINATE ALL WORK IN FIELD.
 - POWER FOR ELECTRIC VEHICLE CHARGING STATION. E.C. SHALL PROVIDE A NEMA 3R RATED JUNCTION BOX WITH WEATHERPROOF COVER FOR INSTALLATION OF ELECTRICAL CHARGING STATION BY COUNTY. E.C. SHALL COORDINATE ALL WORK WITH COUNTY.
 - E.C. SHALL PROVIDE A NEMA-3R WEATHERPROOF RECEPTACLE ON A 20FT RETRACTABLE CORD. RECEPTACLE SHALL BE A 20A, 120V SIMPLEX RECEPTACLE.
 - E.C. SHALL COORDINATE EXACT DEPTH OF CONDUIT IN FIELD WITH STORMWATER PIPING. E.C. SHALL RUN CONDUIT BELOW STORMWATER PIPING WHERE REQUIRED. E.C. SHALL COORDINATE ALL TRENCHING WORK IN FIELD PRIOR TO INSTALLATION.
 - E.C. SHALL PROVIDE A SEPARATE LINE ITEM IN THEIR BID FOR THE FOLLOWING WORK: E.C. SHALL FURNISH AND INSTALL NEW 300kW/375kVA, 120/208V, 3P, NATURAL GAS GENERATOR ON CONCRETE GENERATOR PAD.

1 ELECTRICAL SITE PLAN NEW WORK
1" = 20'-0"

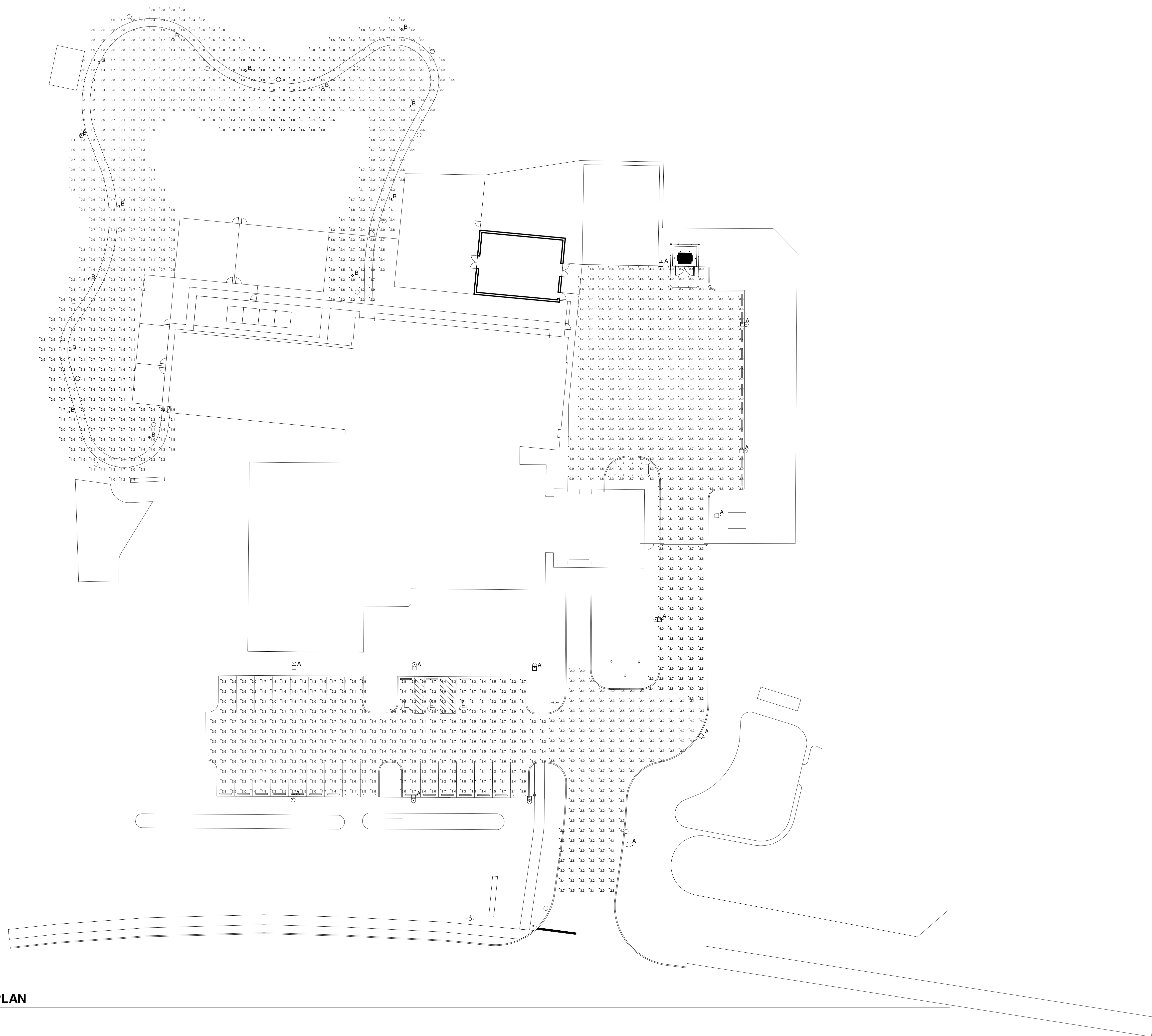
SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CHARLES COUNTY ANIMAL CARE CENTER
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019
DRAWING TITLE: ELECTRICAL SITE PLAN
SHEET NUMBER: E101



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Back Lot	+	2.9 fc	5.0 fc	0.9 fc	5.6:1	3.2:1
Dog Walk	+	2.2 fc	4.2 fc	0.5 fc	8.4:1	4.4:1
Entrance	+	3.2 fc	4.6 fc	1.8 fc	2.6:1	1.8:1
Front Lot	+	2.5 fc	4.0 fc	1.0 fc	4.0:1	2.5:1

Schedule					
Symbol	Label	QTY	Catalog Number	Number Lamps	Lumens per Lamp
+	A	16	P26-48L-400-NW-G2-3	1	8509
○	B	14	PPT-140L-1150-NW-G2-5-UNV	1	5416

1 FOOTCANDLE ANALYSIS SITE PLAN
NOT TO SCALE

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
FOOTCANDLE ANALYSIS
SITE PLAN

SHEET NUMBER:
E102

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
2	PERMIT COMMENT	5-5-20

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

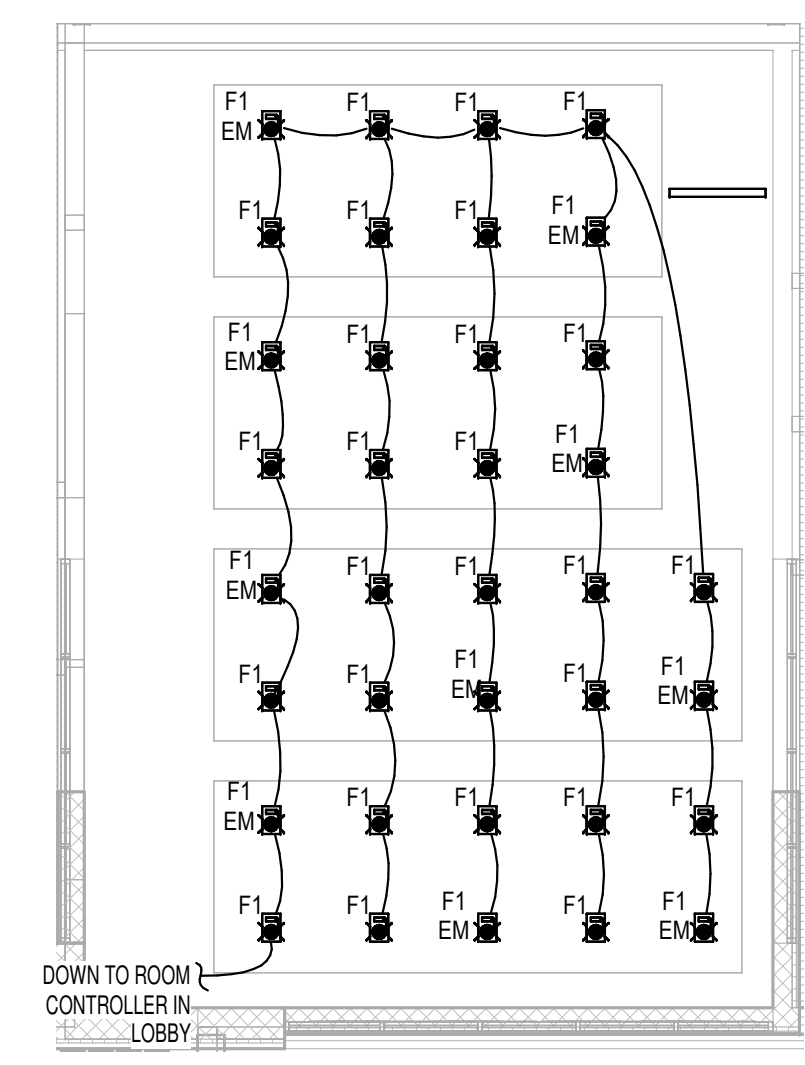
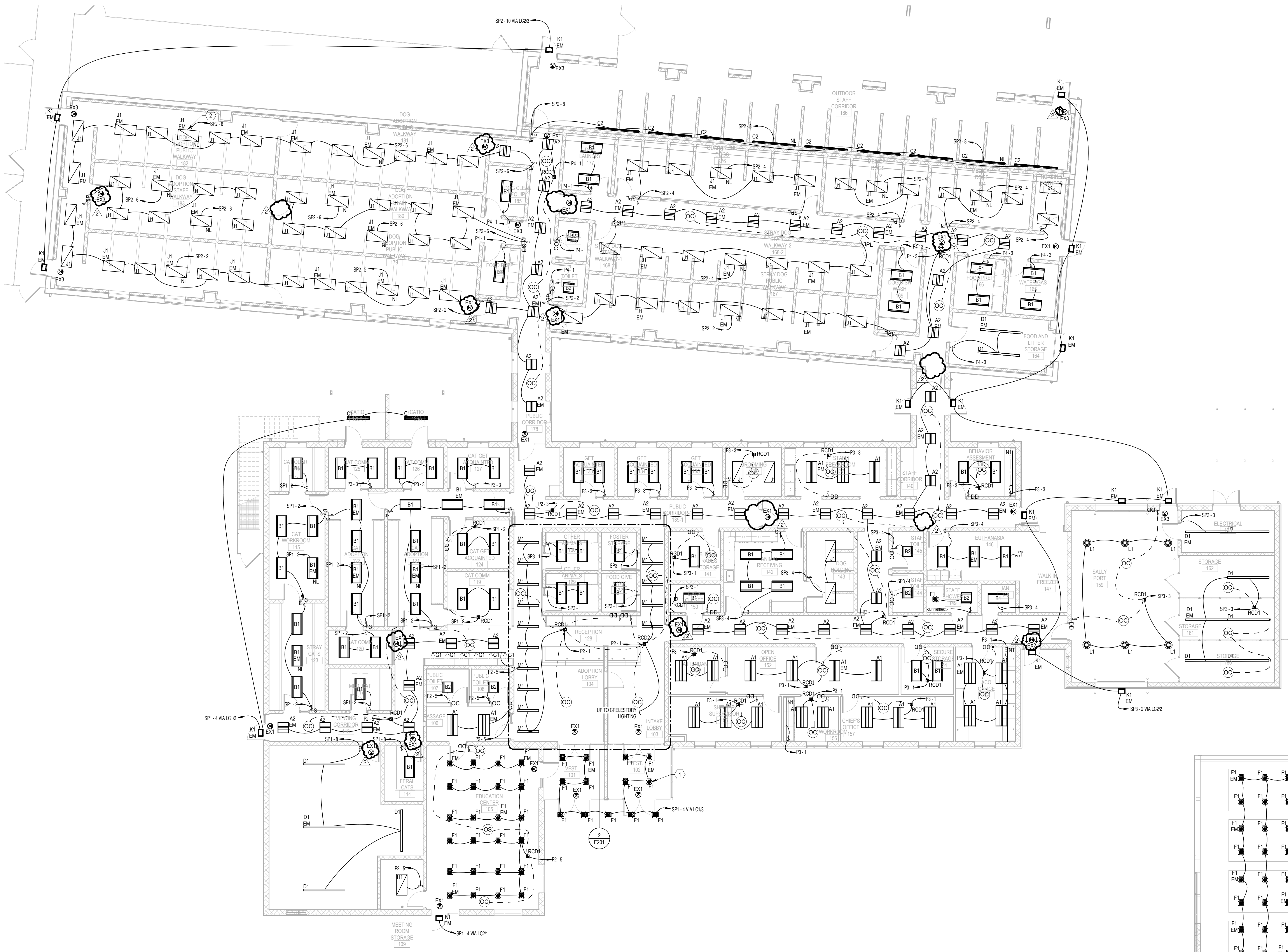
DRAWING TITLE:
ELECTRICAL FIRST FLOOR LIGHTING PLAN

SHEET NUMBER:
E201

5/5/2020 2:16:19 PM

- General Notes - Lighting**
- 1 ALL RECESSED LIGHTING FIXTURES IN LAY IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT FROM JUNCTION BOX MOUNTED ABOVE CEILING.
 - 2 ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
 - 3 SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
 - 4 REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
 - 5 WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.
 - 6 CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
 - 7 CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
 - 8 ALL EXIT SIGNS SHALL BE FED UNSWITCHED FROM NEAREST LOCAL LIGHTING CIRCUIT IN AREA IN WHICH FIXTURE IS SERVING.
 - 9 ALL LIGHT FIXTURES LABELED "EM" SHALL BE INSTALLED WITH AN EXTRA #12 AWG CONDUCTOR FED UNSWITCHED FROM CIRCUIT FEEDING LIGHTS FOR CORRECT EMERGENCY OPERATION OF BACKUP BATTERIES.
 - 10 ALL LIGHTING IN CORRIDORS CONTROLLED BY OCCUPANCY SENSORS SHALL BE FURNISHED AND INSTALLED WITH A FIRE ALARM CONTROL RELAY TO PROVIDE AUTO-ON OF THE LIGHTS IN THE EVENT OF FIRE ALARM OPERATION.

- KEYNOTES**
- 1 E.C. SHALL FURNISH AND INSTALL FIXTURES HUNG ABOVE CEILING. FIXTURES SHALL BE SECURELY MOUNTED FROM ROOF DECK ABOVE. E.C. SHALL COORDINATE EXACT HEIGHT OF FIXTURES WITH ARMSTRONG CEILING CONTRACTOR IN FIELD. E.C. SHALL BE RESPONSIBLE FOR PROVIDING TRIM PIECE FOR INSTALLATION OF FIXTURE IN ARMSTRONG CEILING. E.C. SHALL REFER TO FIXTURE "F1" INSTALLATION DETAIL ON DRAWING E701.
 - 2 ALL LIGHTS LABELED NL SHALL BE FED UNSWITCHED FROM BREAKER.



1 ELECTRICAL FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

2 CLERESTORY LIGHTING PLAN
1/8" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE
DOCUMENTS WERE PREPARED OR
APPROVED BY ME, SCOTT A. FRENCH, P.E.,
AND THAT I AM A QUALIFIED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: #47259
EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
ELECTRICAL DESIGN CONSULTANTS

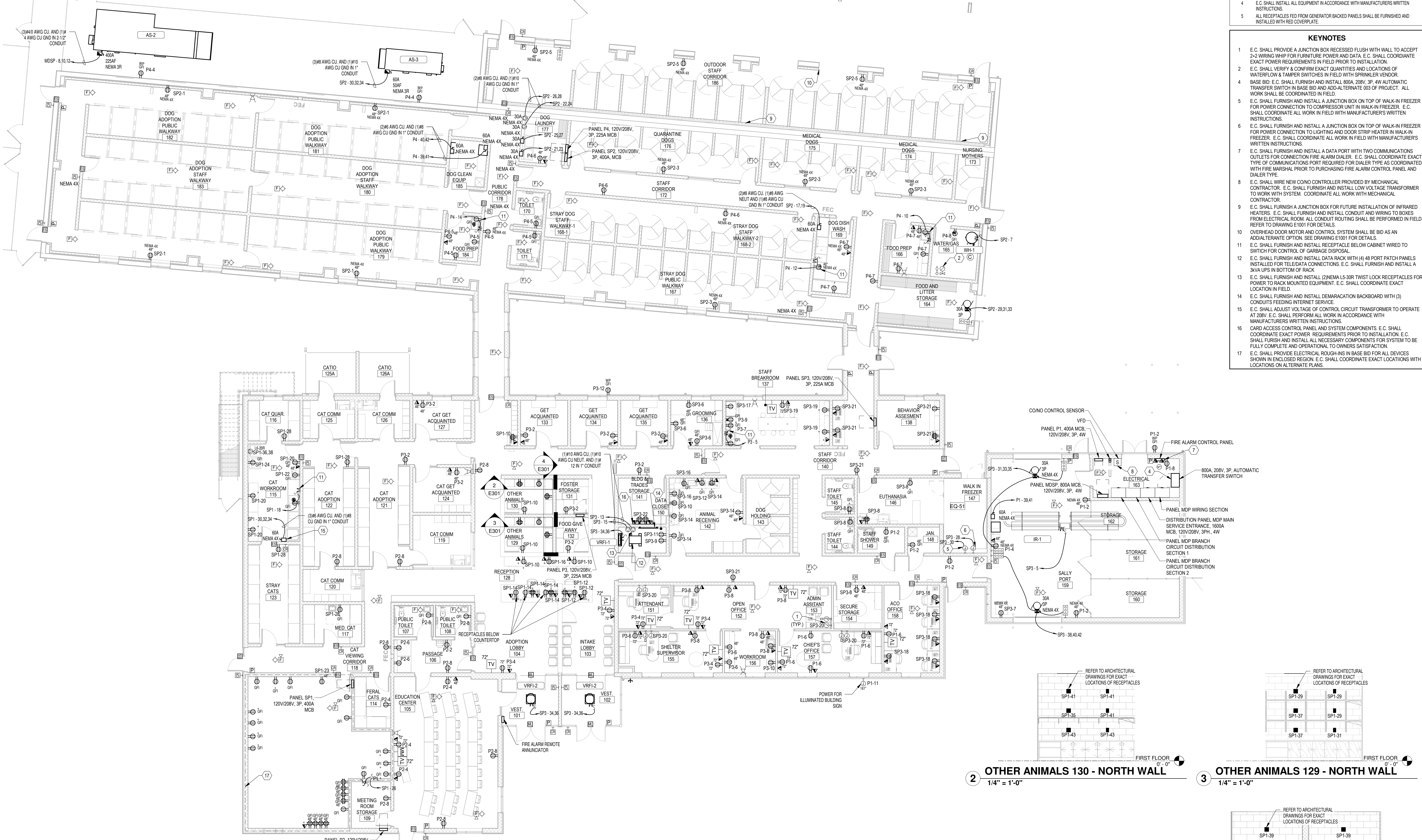
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE
18-034	PROJECT NUMBER:	
PERMIT	PROJECT SET:	
12/23/2019	DATE ISSUED:	
DRAWING TITLE: ELECTRICAL FIRST FLOOR POWER PLAN		
SHEET NUMBER: E301		

12/19/2019 9:55:14 PM

- General Notes - Power**
- WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
 - ALL CAT-4 CABLES SHALL BE COLOR CODED PER APPLICATION: BLUE FOR IT, WHITE FOR TELEPHONE, GREEN FOR WIRELESS ACCESS POINTS, AND YELLOW FOR SECURITY AND CARD ACCESS SYSTEMS. REFER TO SS1001 FOR ADDITIONAL SPECIAL SYSTEM REQUIREMENTS.
 - ALL RECEPTACLE AND DATA DEVICE COVER PLATES WILL BE LABELED WITH PANEL AND BREAKER IDENTIFICATION TO ALLOW FOR EASY IDENTIFICATION OF POWER ORIGINATOR.
 - E.C. SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - ALL RECEPTABLES FED FROM GENERATOR BACKED PANELS SHALL BE FURNISHED AND INSTALLED WITH RED COVERPLATE.

- KEYNOTES**
- E.C. SHALL PROVIDE A JUNCTION BOX RECESSED FLUSH WITH WALL TO ACCEPT 2-2 WIRING WHIP FOR FURNITURE POWER AND DATA. E.C. SHALL COORDINATE EXACT POWER REQUIREMENTS IN FIELD PRIOR TO INSTALLATION.
 - E.C. SHALL VERIFY & CONFIRM EXACT QUANTITIES AND LOCATIONS OF WATERFLOW & TAMPER SWITCHES IN FIELD WITH SPRINKLER VENDOR.
 - BASE BID: E.C. SHALL FURNISH AND INSTALL 800A, 208V, 3P, 4W AUTOMATIC TRANSFER SWITCH IN BASE BID AND ADD ALTERNATE 003 OF PROJECT. ALL WORK SHALL BE COORDINATED IN FIELD.
 - E.C. SHALL FURNISH AND INSTALL A JUNCTION BOX ON TOP OF WALK-IN FREEZER FOR POWER CONNECTION TO COMPRESSOR UNIT IN WALK-IN FREEZER. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - E.C. SHALL FURNISH AND INSTALL A JUNCTION BOX ON TOP OF WALK-IN FREEZER FOR POWER CONNECTION TO LIGHTING AND DOOR STRIP HEATER IN WALK-IN FREEZER. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - E.C. SHALL FURNISH AND INSTALL A DATA PORT WITH TWO COMMUNICATIONS OUTLETS FOR CONNECTION TO FIRE ALARM DIALER. E.C. SHALL COORDINATE EXACT TYPE OF COMMUNICATIONS PORT REQUIRED FOR DIALER TYPE AS COORDINATED WITH FIRE MARSHAL PRIOR TO PURCHASING FIRE ALARM CONTROL PANEL AND DIALER TYPE.
 - E.C. SHALL WIRE NEW CONDUIT CONTROLLER PROVIDED BY MECHANICAL CONTRACTOR. E.C. SHALL FURNISH AND INSTALL LOW VOLTAGE TRANSFORMER TO WORK WITH SYSTEM. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
 - E.C. SHALL FURNISH A JUNCTION BOX FOR FUTURE INSTALLATION OF INFRARED HEATERS. E.C. SHALL FURNISH AND INSTALL CONDUIT AND WIRING TO BOXES FROM ELECTRICAL ROOM. ALL CONDUIT ROUTING SHALL BE PERFORMED IN FIELD. REFER TO DRAWING E1001 FOR DETAILS.
 - OVERHEAD DOOR MOTOR AND CONTROL SYSTEM SHALL BE BID AS AN ALTERNATE OPTION. SEE DRAWING E1001 FOR DETAILS.
 - E.C. SHALL FURNISH AND INSTALL RECEPTACLE BELOW CABINET WIRING TO SWITCH FOR CONTROL OF GARBAGE DISPOSAL.
 - E.C. SHALL FURNISH AND INSTALL DATA RACK WITH (4) 48 PORT PATCH PANELS INSTALLED FOR TELEDATA CONNECTIONS. E.C. SHALL FURNISH AND INSTALL A 3VA UPS IN BOTTOM OF RACK.
 - E.C. SHALL FURNISH AND INSTALL (2) NEMA L5-30R SWIVEL LOCK RECEPTABLES FOR POWER TO RACK MOUNTED EQUIPMENT. E.C. SHALL COORDINATE EXACT LOCATION IN FIELD.
 - E.C. SHALL FURNISH AND INSTALL DEMARCATION BACKBOARD WITH (3) CONDUITS FEEDING INTERNET SERVICE.
 - E.C. SHALL ADJUST VOLTAGE OF CONTROL CIRCUIT TRANSFORMER TO OPERATE AT 208V. E.C. SHALL PERFORM ALL WORK IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - CARD ACCESS CONTROL PANEL AND SYSTEM COMPONENTS: E.C. SHALL COORDINATE EXACT POWER REQUIREMENTS PRIOR TO INSTALLATION. E.C. SHALL FURNISH AND INSTALL ALL NECESSARY COMPONENTS FOR SYSTEM TO BE FULLY COMPLETE AND OPERATIONAL TO OWNERS SATISFACTION.
 - E.C. SHALL PROVIDE ELECTRICAL ROUGH-INS IN BASE BID FOR ALL DEVICES SHOWN IN ENCLOSED REGION. E.C. SHALL COORDINATE EXACT LOCATIONS WITH LOCATIONS ON ALTERNATE PLANS.



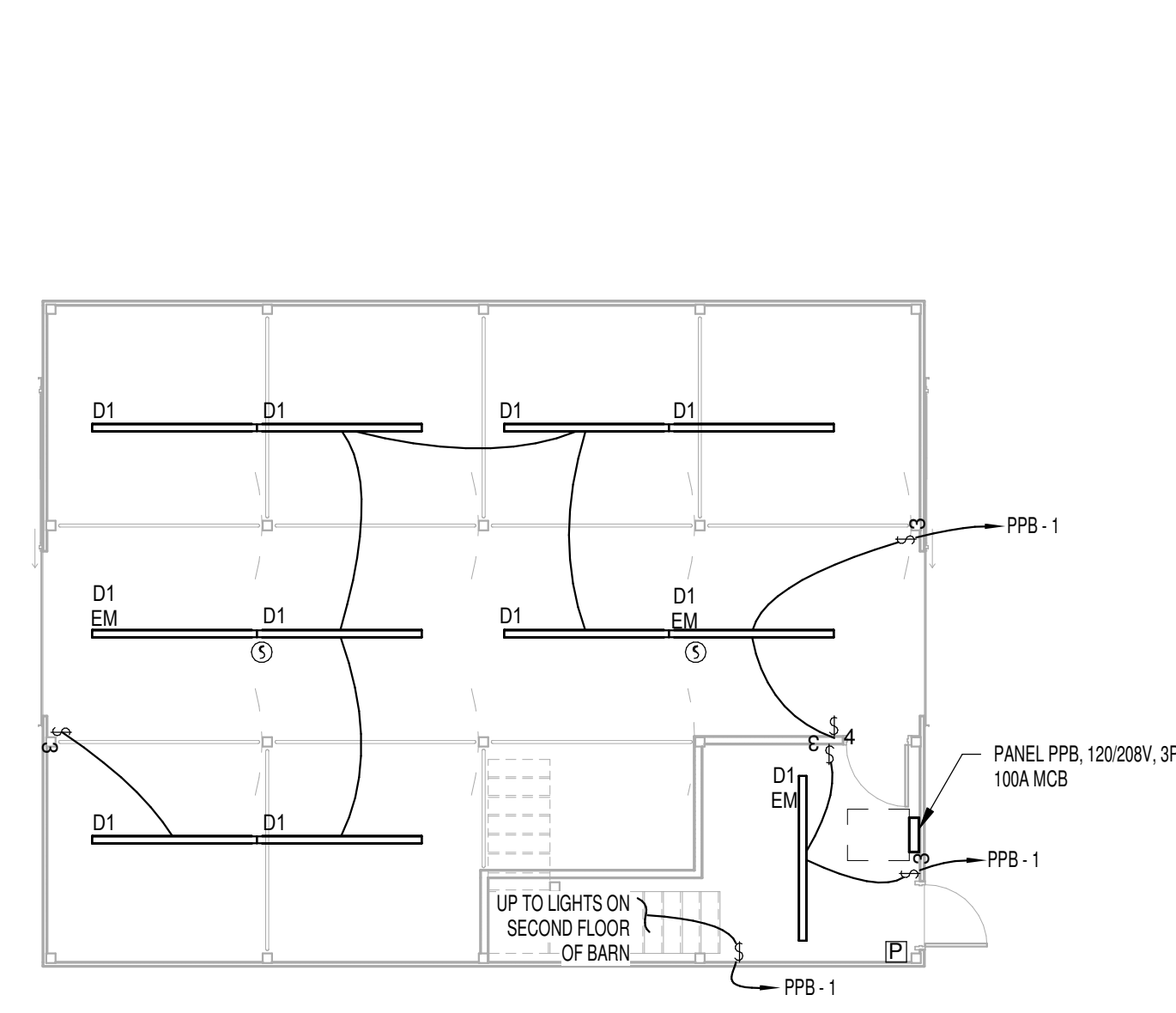
1 LEVEL 1 OVERALL POWER PLAN
1/8" = 1'-0"

2 OTHER ANIMALS 130 - NORTH WALL
1/4" = 1'-0"

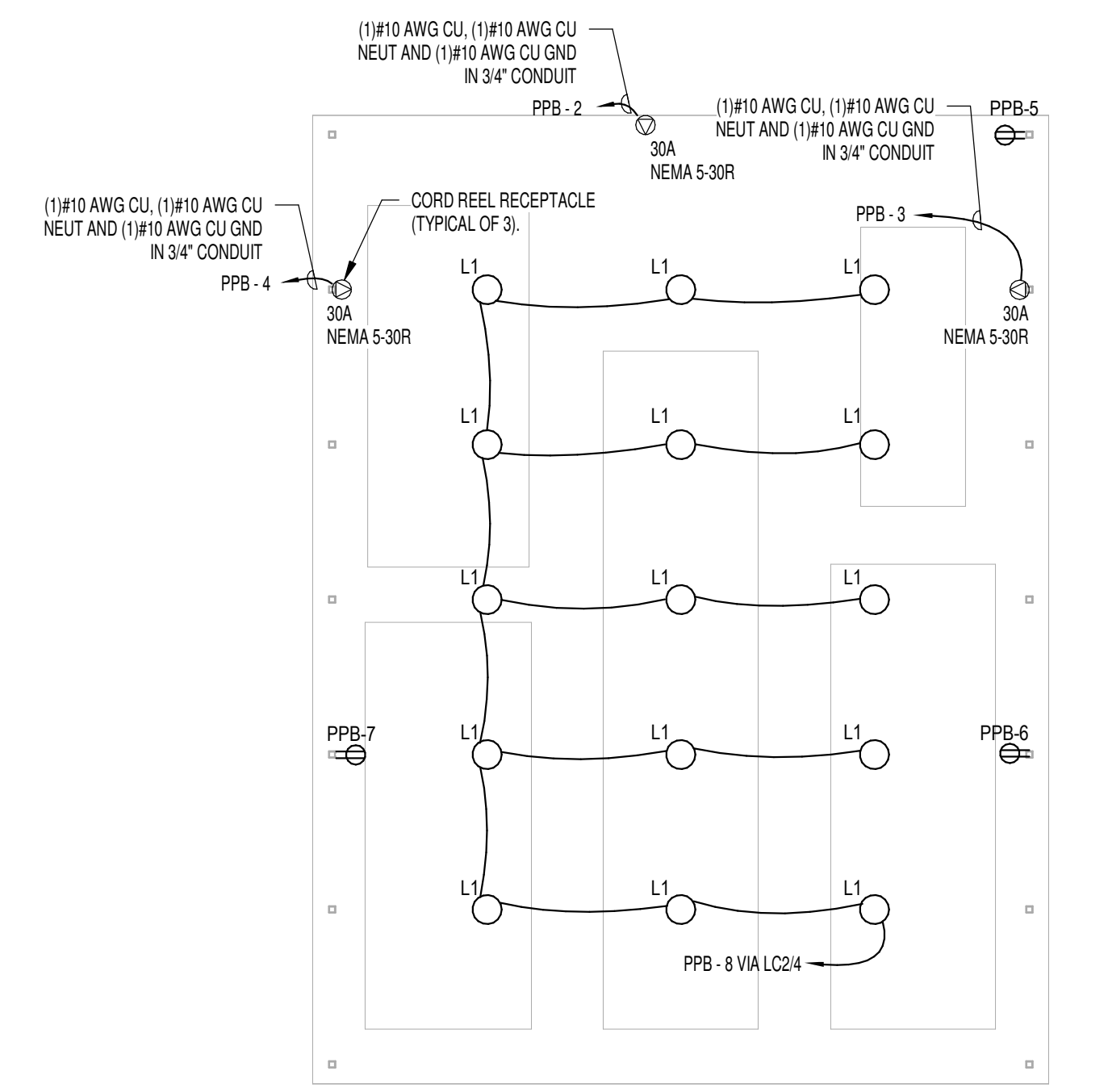
3 OTHER ANIMALS 129 - NORTH WALL
1/4" = 1'-0"

4 OTHER ANIMALS 129 & 130 - EAST WALL
1/4" = 1'-0"

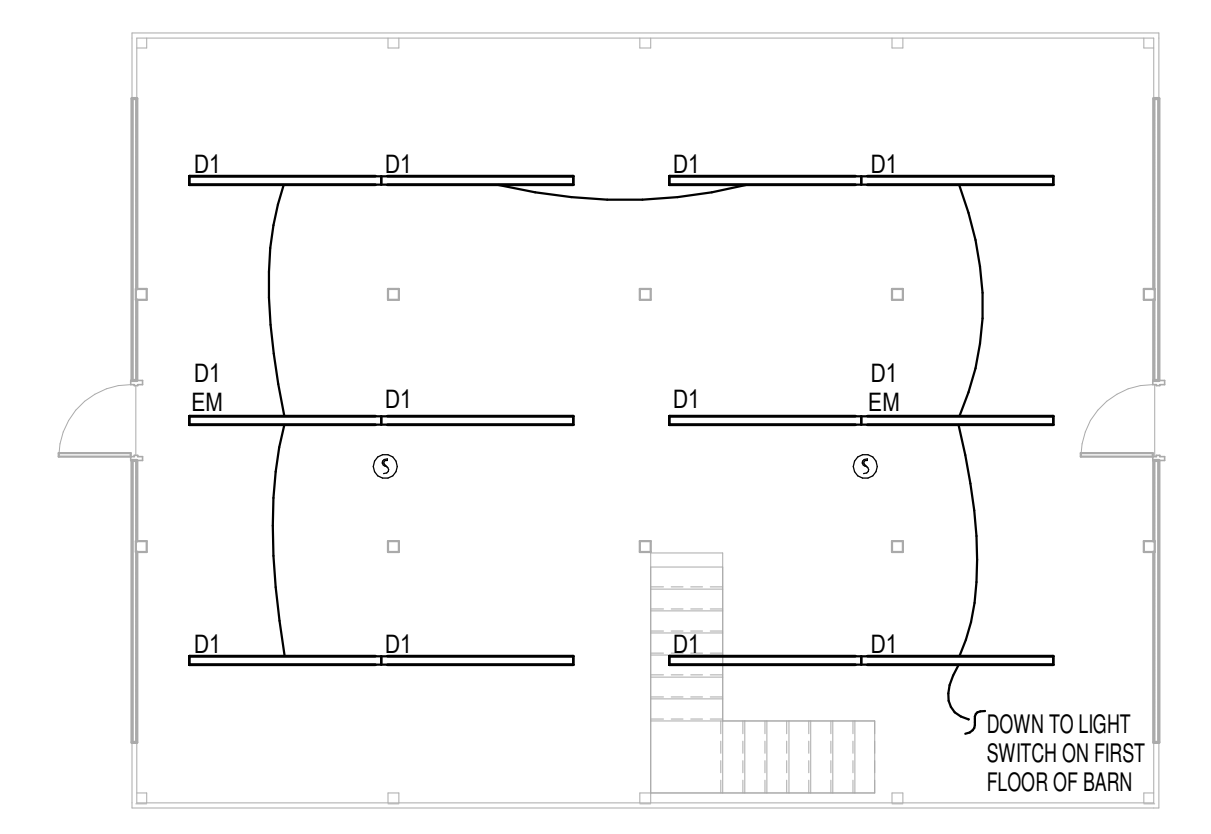
- General Notes - Power**
- WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
 - ALL CAT 6 CABLEING SHALL BE COLOR CODED PER APPLICATION: BLUE FOR IT, WHITE FOR TELEPHONE, GREEN FOR WIRELESS ACCESS POINTS, AND YELLOW FOR SECURITY AND CARD ACCESS SYSTEMS. REFER TO SS1001 FOR ADDITIONAL SPECIALTY SYSTEM REQUIREMENTS.
 - ALL RECEPTACLE AND DATA DEVICE COVER PLATES WILL BE LABELED WITH PANEL AND BREAKER IDENTIFICATION TO ALLOW FOR EASY IDENTIFICATION OF POWER ORIGIN. E.G. SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - ALL RECEPTACLES FED FROM GENERATOR BACKED PANELS SHALL BE FURNISHED AND INSTALLED WITH RED COVERPLATE.



1 ELECTRICAL FIRST FLOOR BARN PLAN
1/8" = 1'-0"



2 ELECTRICAL FIRST FLOOR CARPORT PLAN
1/8" = 1'-0"



3 ELECTRICAL SECOND FLOOR BARN PLAN
1/8" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

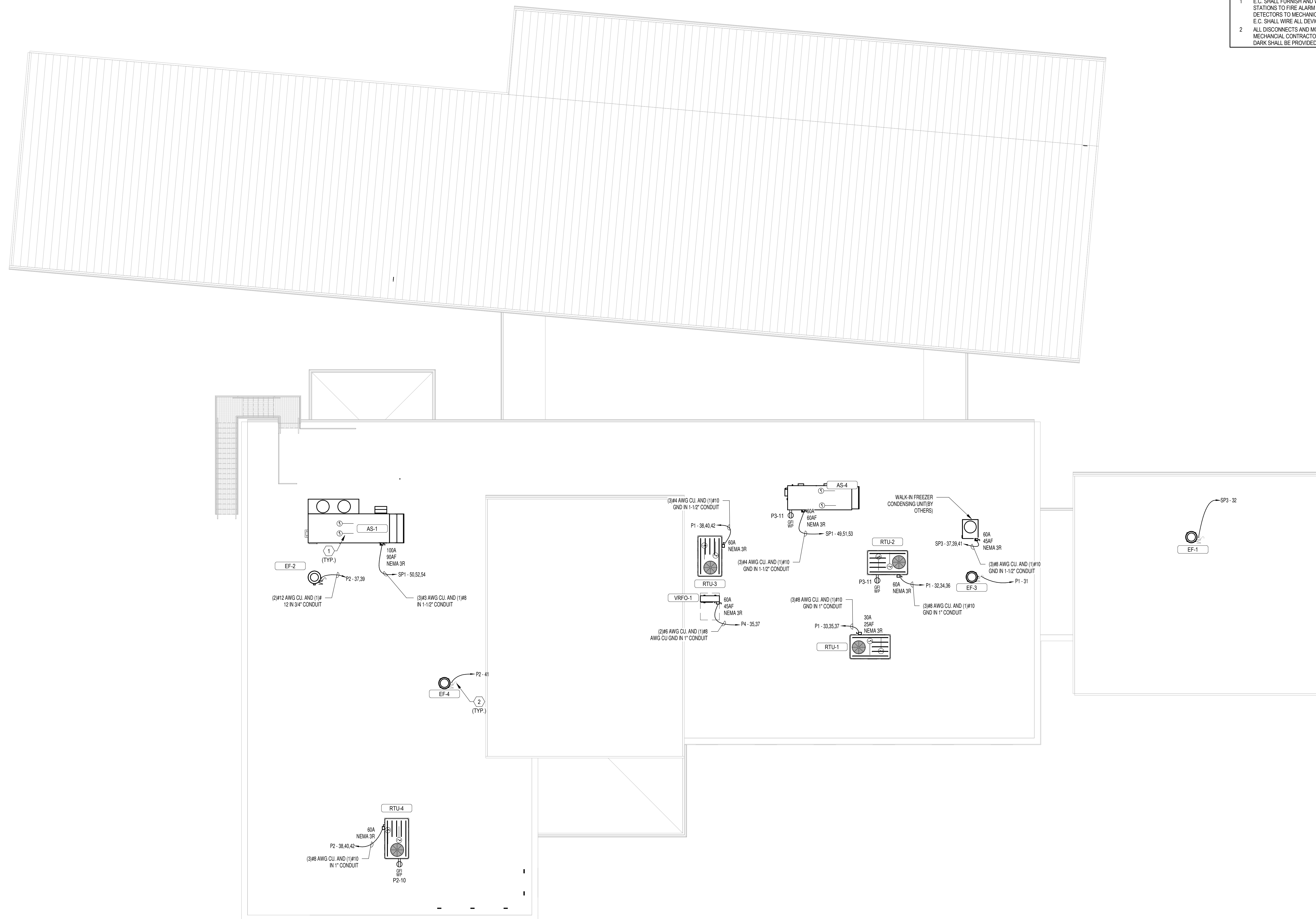
CONSULTANT:
DEDC
ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ELECTRICAL BARN AND GARAGE POWER AND LIGHTING PLANS
SHEET NUMBER:
E302



GENERAL NOTES - POWER

1 E.C. SHALL UTILIZE ALL MECHANICAL ROOF CURB S FOR POWER ROOFTOP EQUIPMENT. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH MECHANICAL CONTRACTOR.

KEYNOTES

1 E.C. SHALL FURNISH AND WIRE DUCT SMOKE DETECTORS AND REMOTE TEST STATIONS TO FIRE ALARM SYSTEM. E.C. SHALL PROVIDE DUCT SMOKE DETECTORS TO MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCT WORK. E.C. SHALL WIRE ALL DEVICES PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

2 ALL DISCONNECTS AND MOTOR STARTERS SHOWN LIGHT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL DISCONNECTS AND MOTOR STARTERS SHOWN DARK SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, P.E., AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47299 EXPIRATION DATE: 9-23-2021

CONSULTANT:

DEDC
ENGINEERING ARCHITECTURE CONSULTING

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ELECTRICAL ROOF
POWER PLAN

SHEET NUMBER:
E303

1 ROOF POWER
1/8" = 1'-0"

SEAL:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

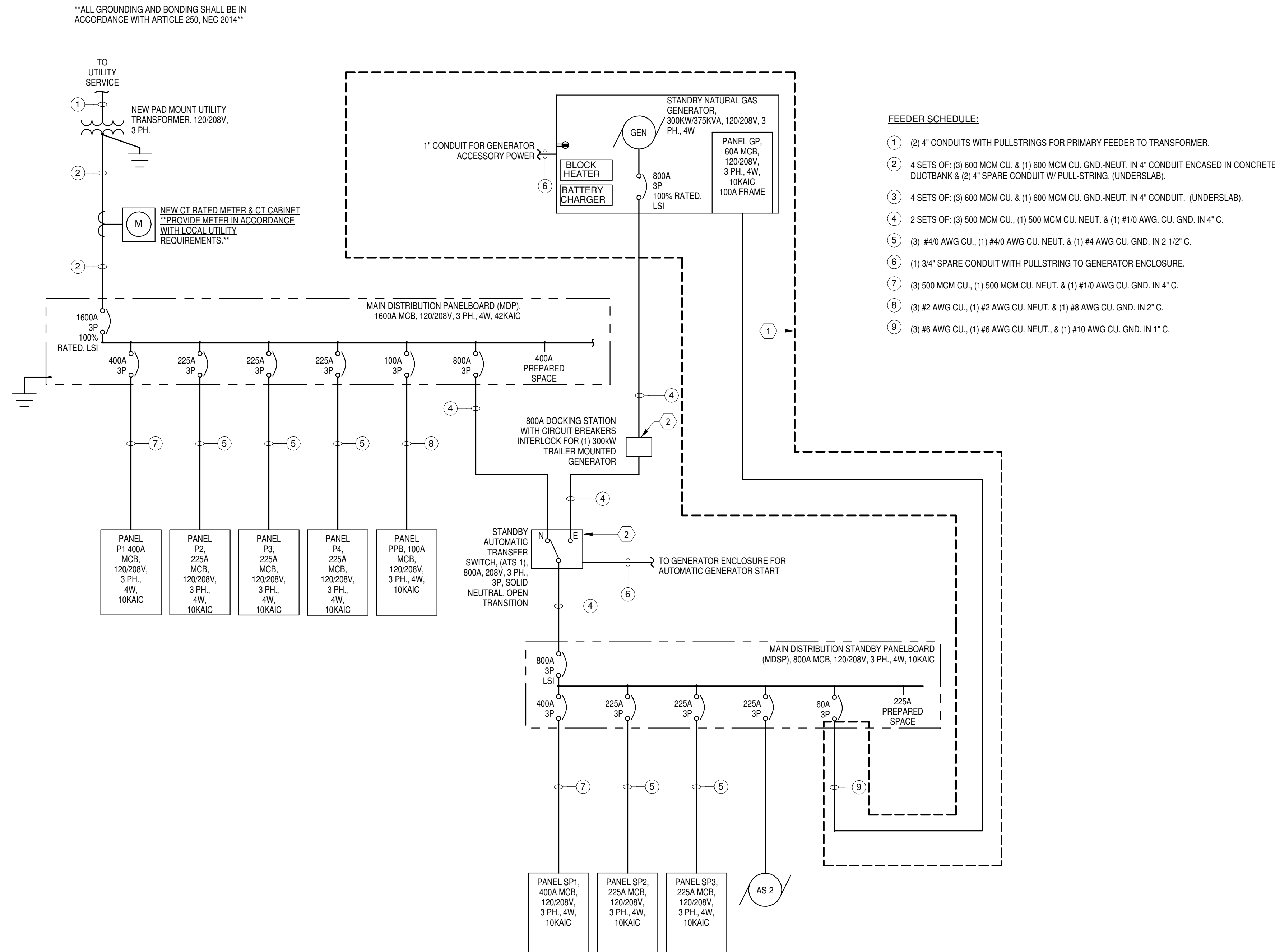
CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

CONSULTANT:
DEDC
DESIGN ENGINEERING CONSULTANTS

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
ELECTRICAL SINGLE LINE AND DETAILS
SHEET NUMBER:
E701

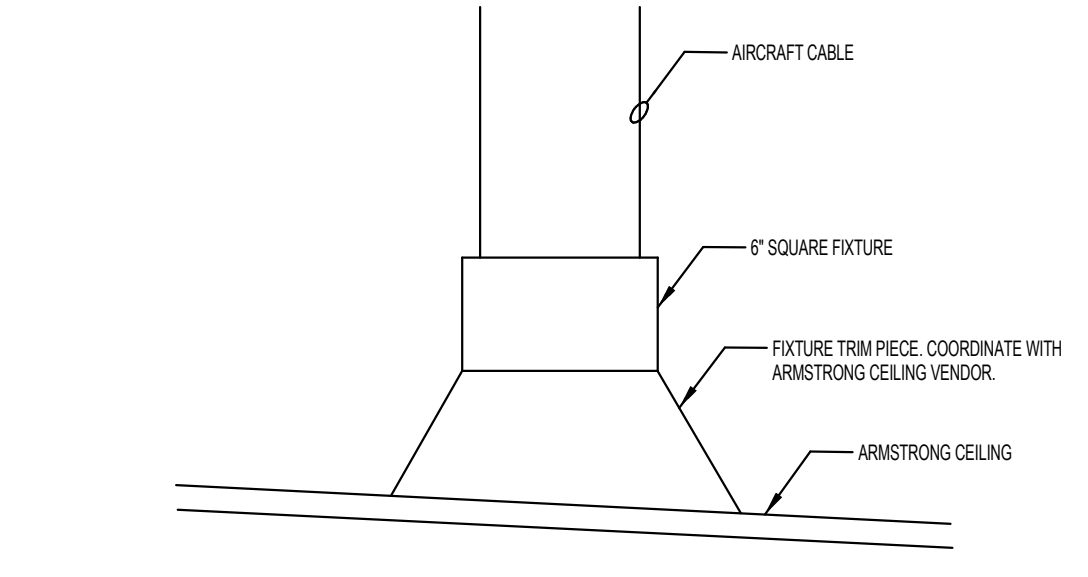
12/19/2019 9:55:24 PM



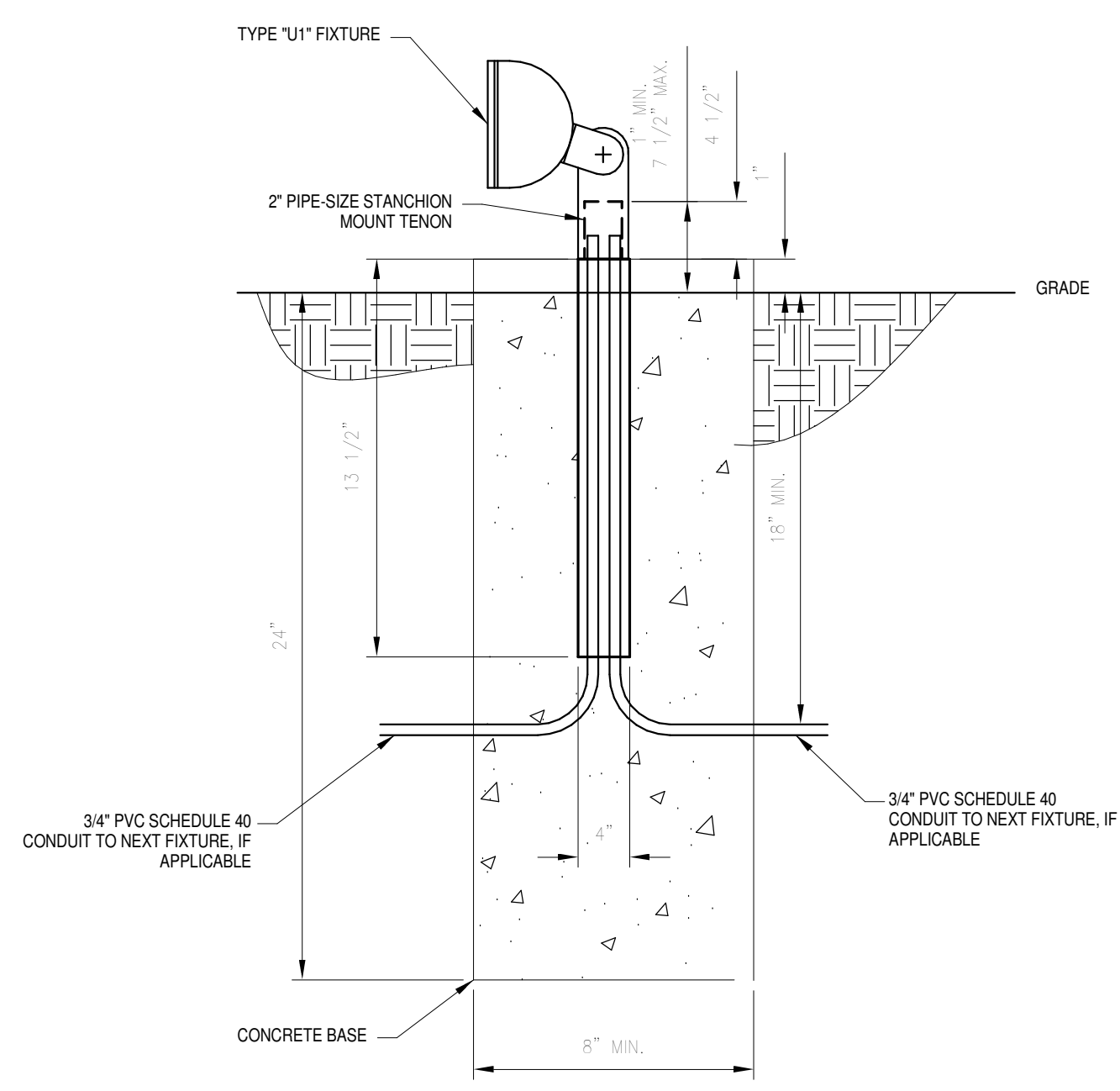
1 Electrical Single Line Diagram
NOT TO SCALE

KEYNOTES

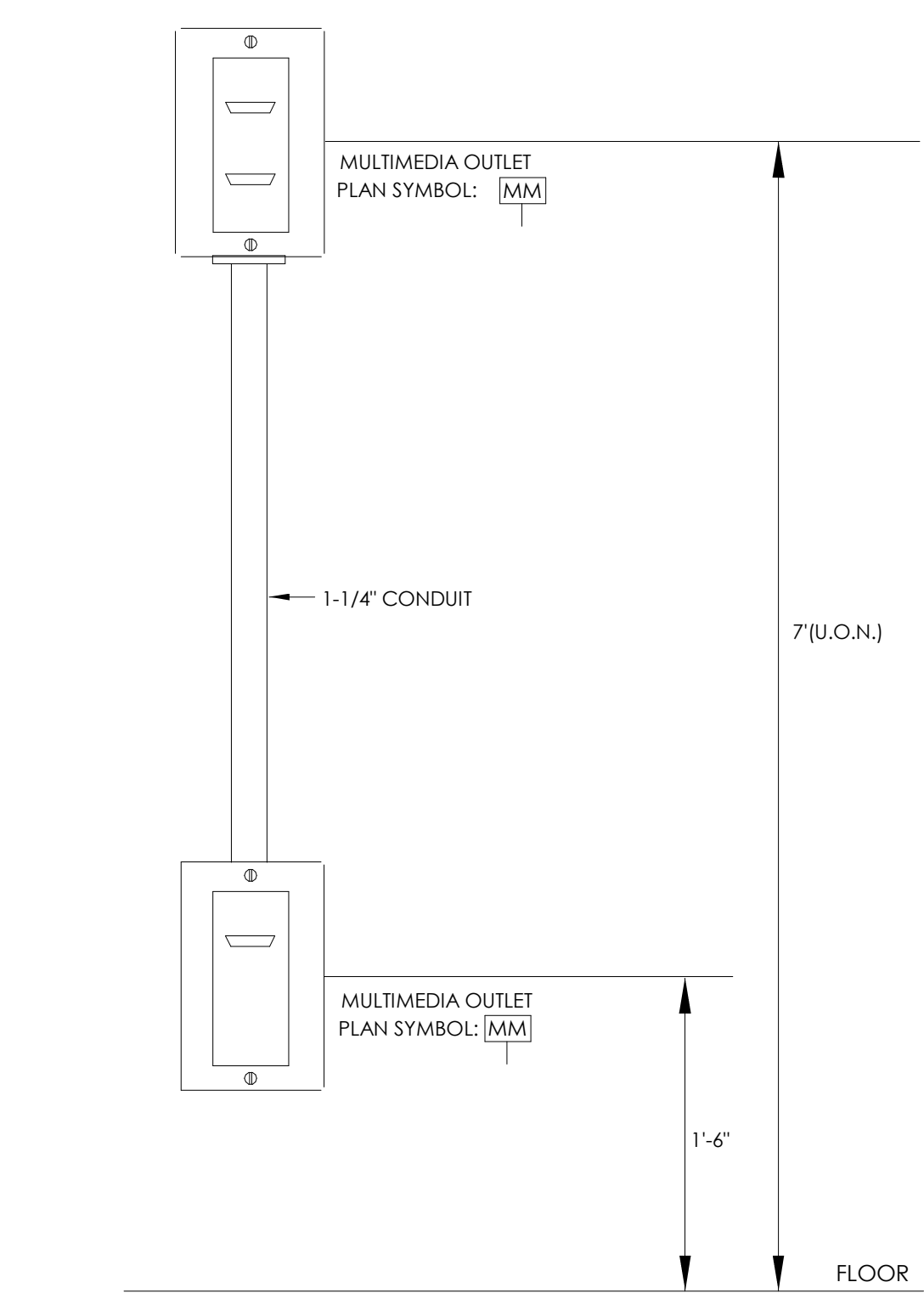
- ADD-ALTERNATE 1: E.C. SHALL PROVIDE A SEPARATE LINE ITEM IN THEIR BID FOR THE FOLLOWING WORK: E.C. SHALL FURNISH AND INSTALL NEW 300KW/575KVA, 120/208V, 3P, NATURAL GAS GENERATOR ON CONCRETE GENERATOR PAD AND A NEW 800A, 208V, 3P AUTOMATIC TRANSFER SWITCH. E.C. SHALL COORDINATE EXACT LOCATION AND REQUIREMENTS OF NEW EQUIPMENT IN FIELD PRIOR TO INSTALLATION. E.C. SHALL ENSURE ALL EQUIPMENT IS FULLY COMPLETE AND OPERATIONAL PRIOR TO COMPLETION OF WORK.
- BASE BID: E.C. SHALL FURNISH AND INSTALL A NEW 800A, 120/208V, 3 PHASE, 4 WIRE DOCKING STATION ON CONCRETE PAD FOR ROLLUP GENERATOR CONNECTION TO ELECTRICAL SERVICE. E.C. SHALL FURNISH AND INSTALL A NEW 800A, 208V, 3 POLE AUTOMATIC TRANSFER SWITCH. E.C. SHALL LOCATE DOCKING STATION ON EXTERIOR OF BUILDING. MANUAL TRANSFER SWITCH SHALL BE INSTALLED INSIDE ELECTRICAL ROOM IN LOCATION WHERE ADD-ALTERNATE 1 ATS SWITCH IS SHOWN ON PLAN.



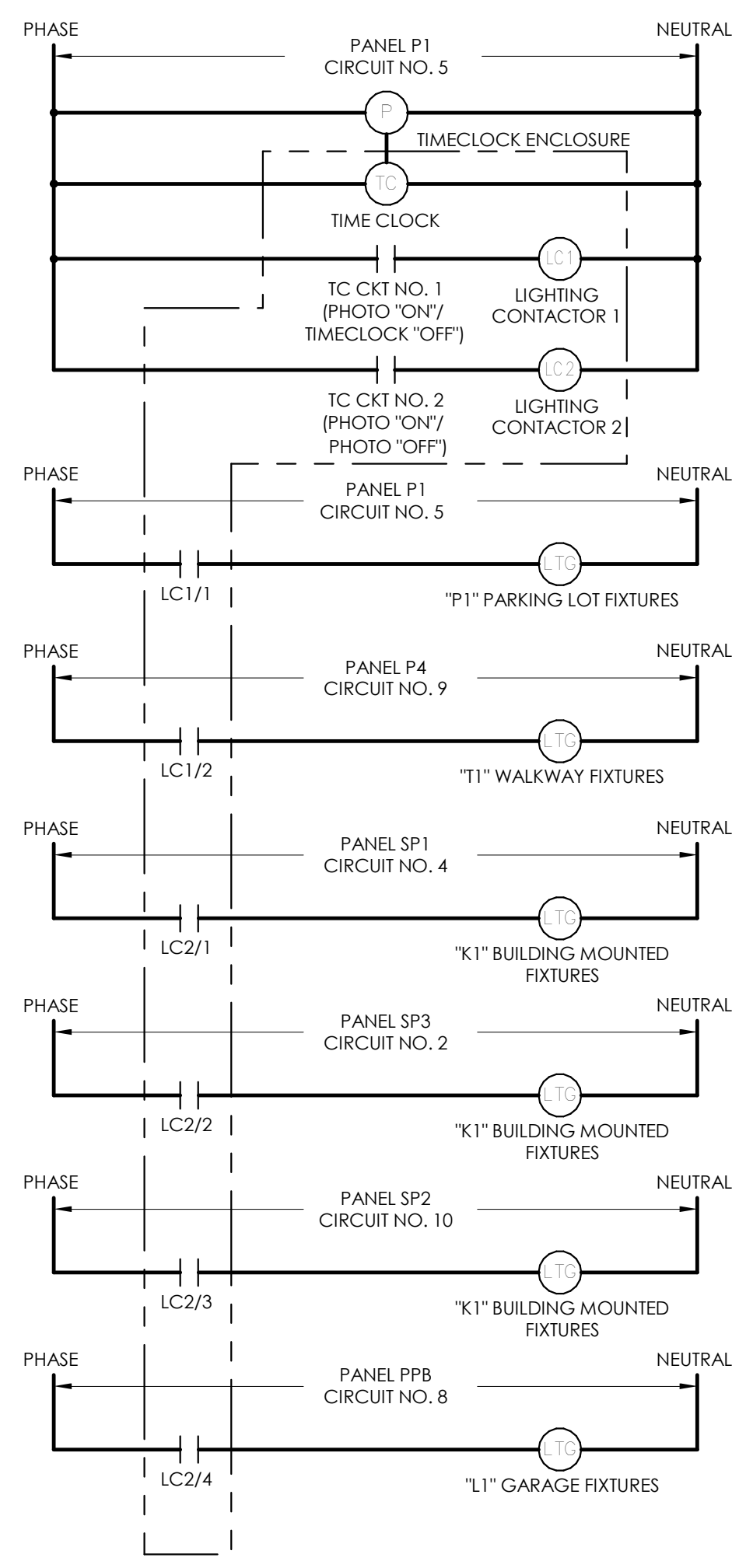
5 "F1" INSTALLATION DETAIL
NOT TO SCALE



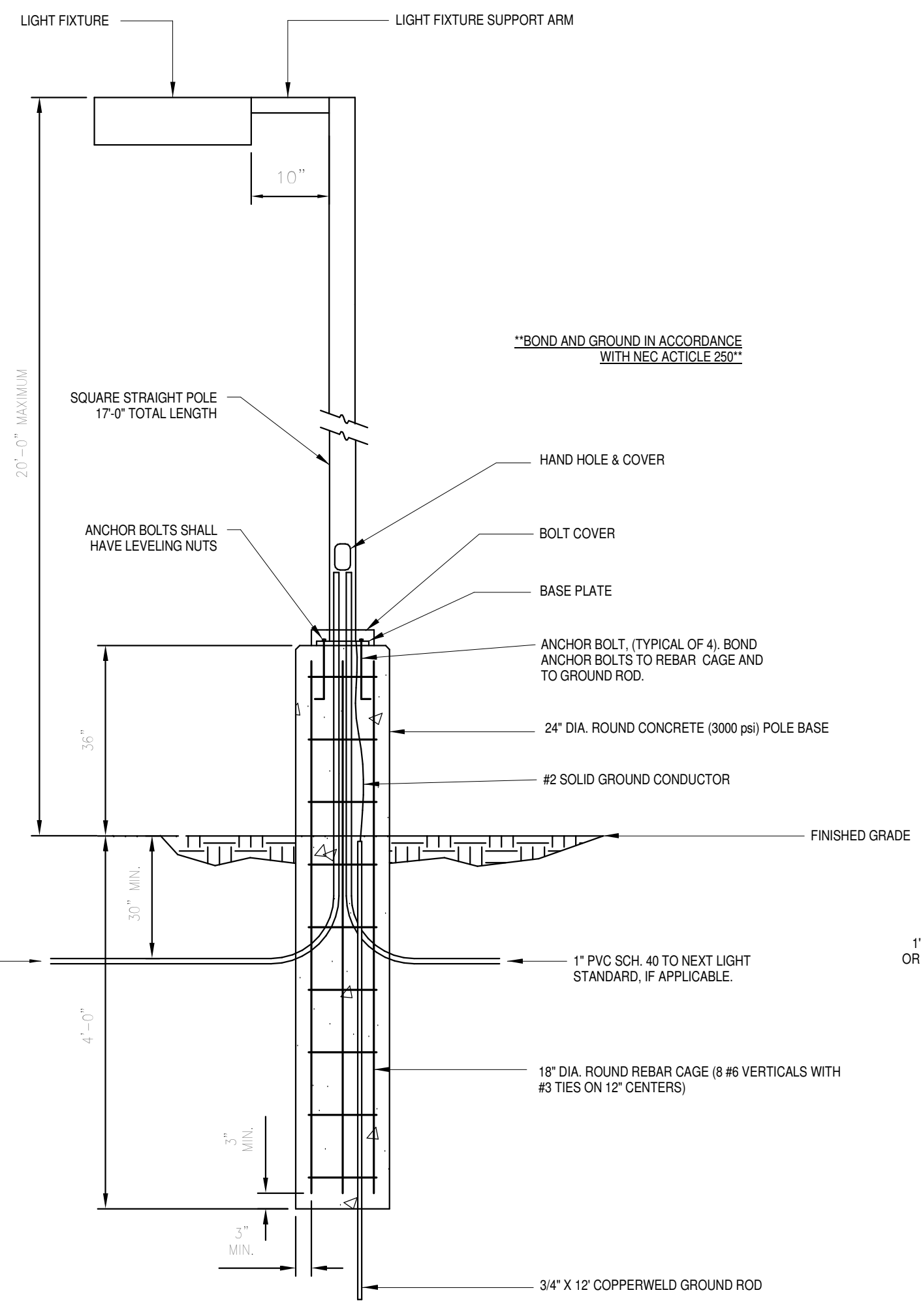
4 POLE BASE DETAIL-U1
NOT TO SCALE



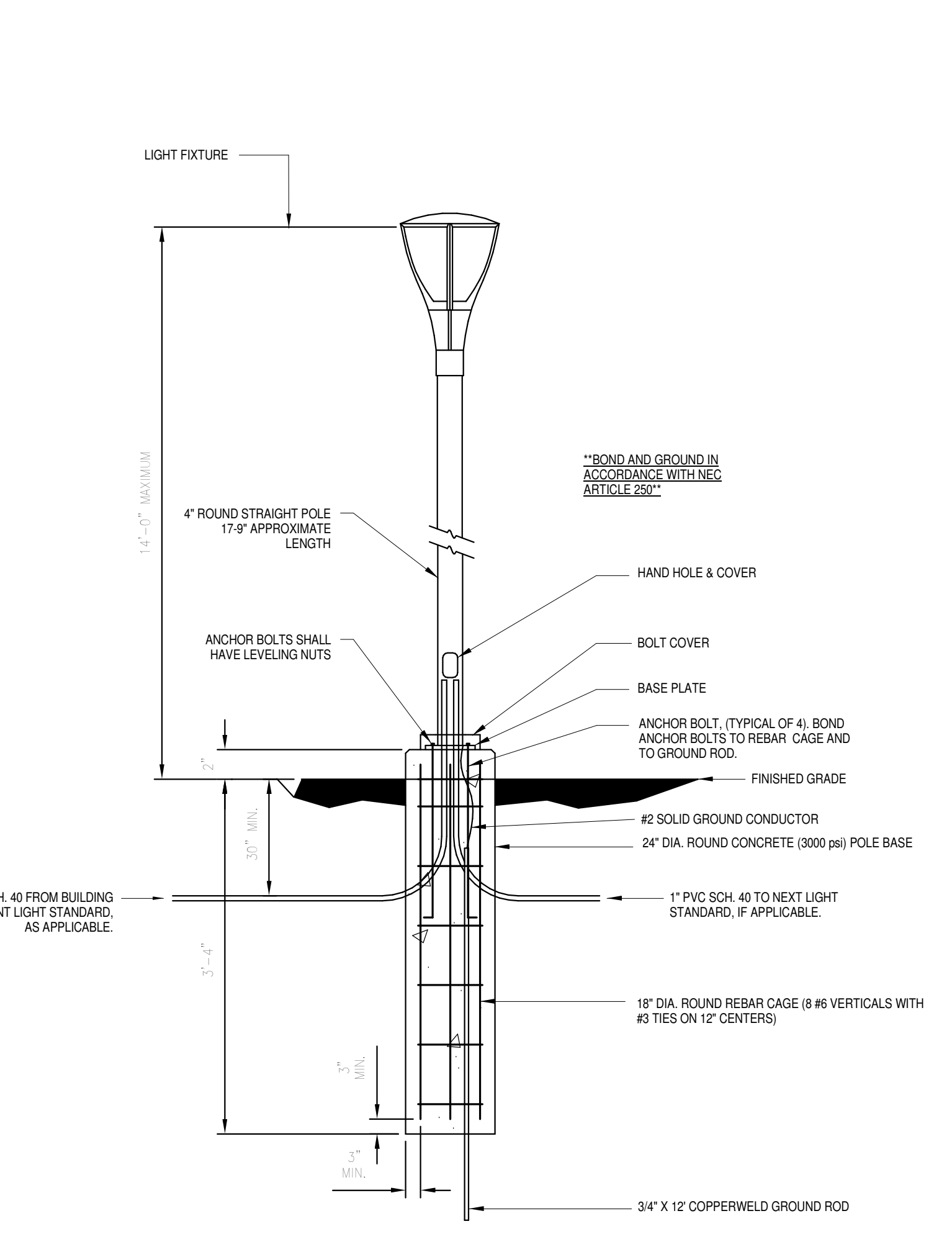
6 MULTIMEDIA OUTLETS
NOT TO SCALE



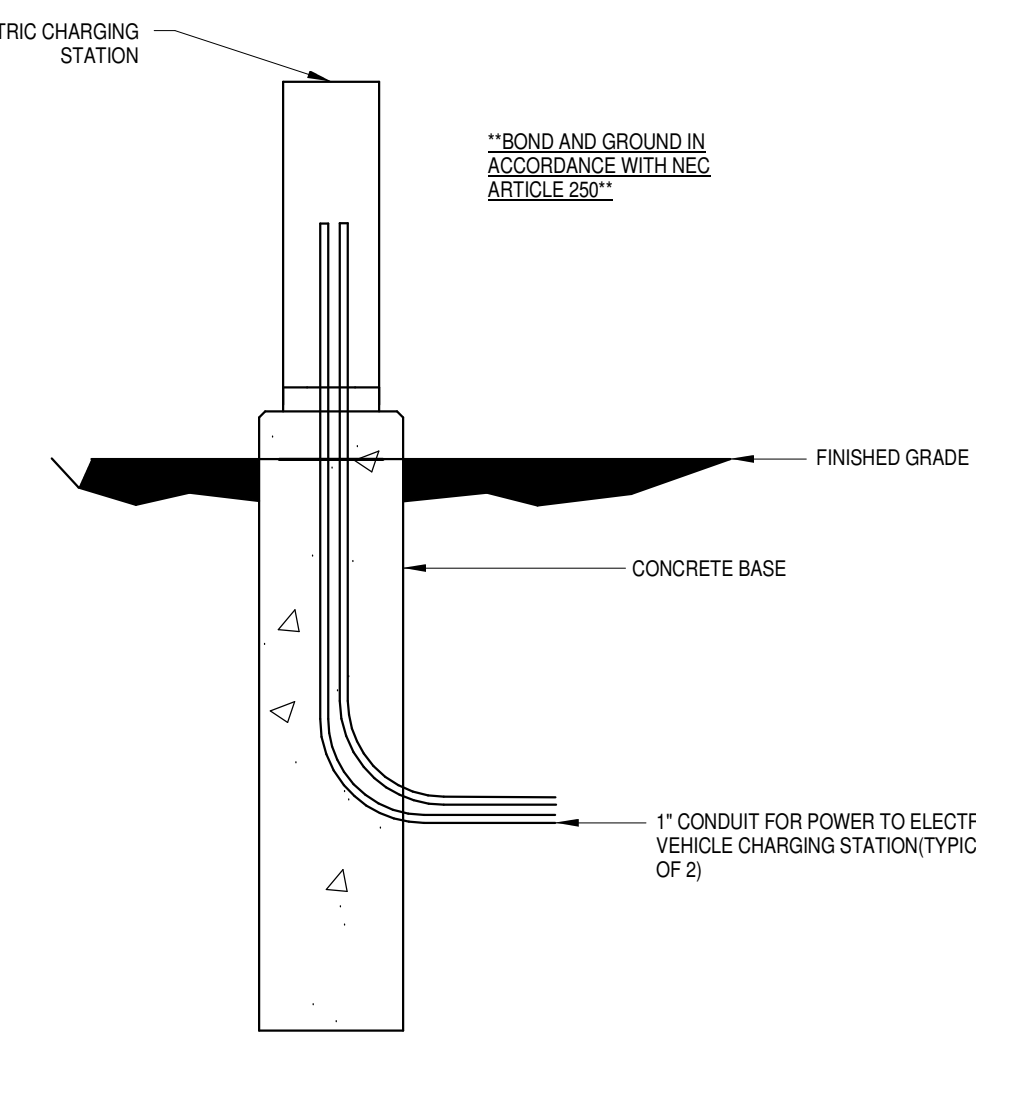
7 LIGHTING CONTROL DIAGRAM
NOT TO SCALE



2 POLE BASE DETAIL-P1
NOT TO SCALE



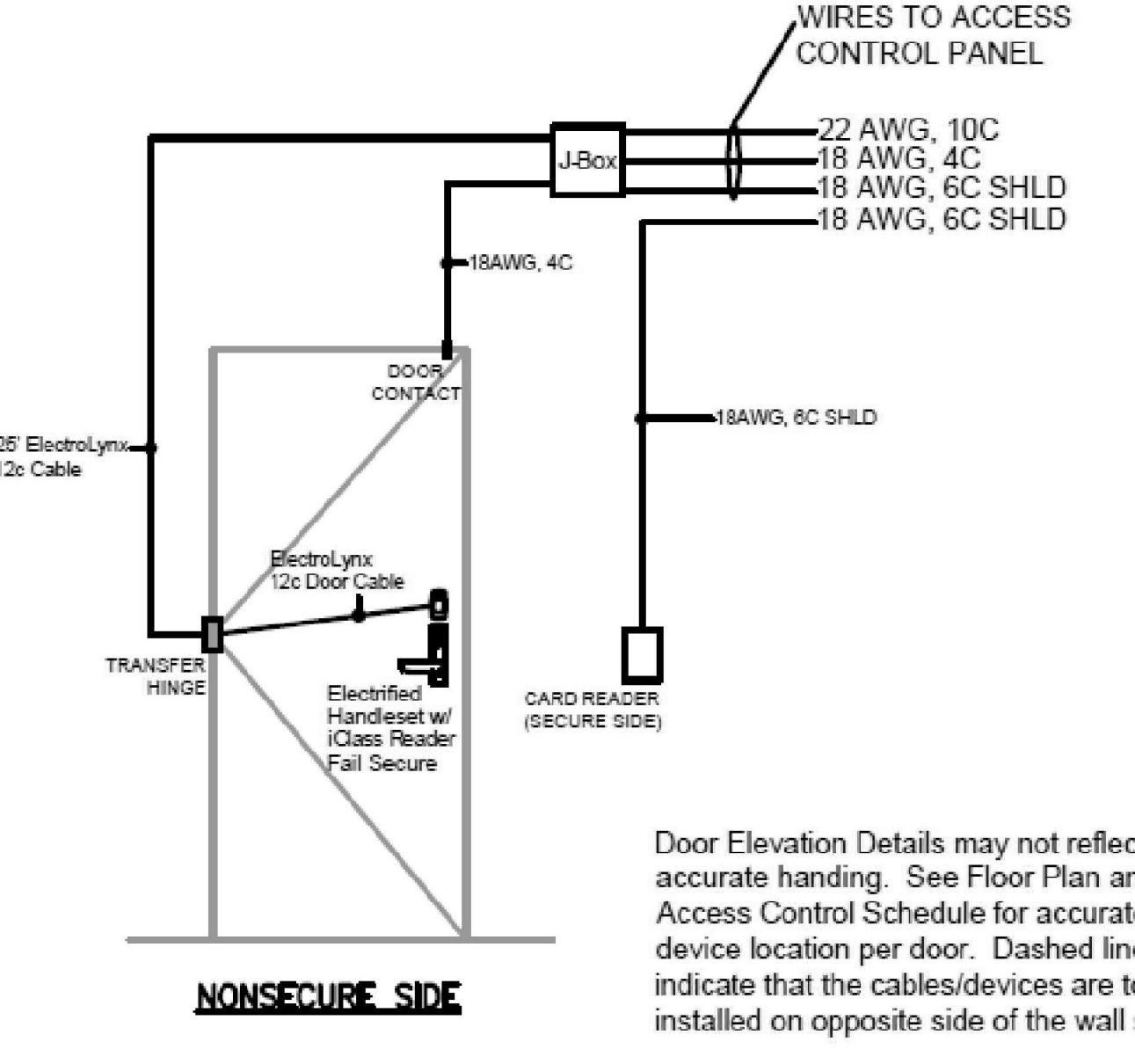
3 POLE BASE DETAIL-T1
NOT TO SCALE



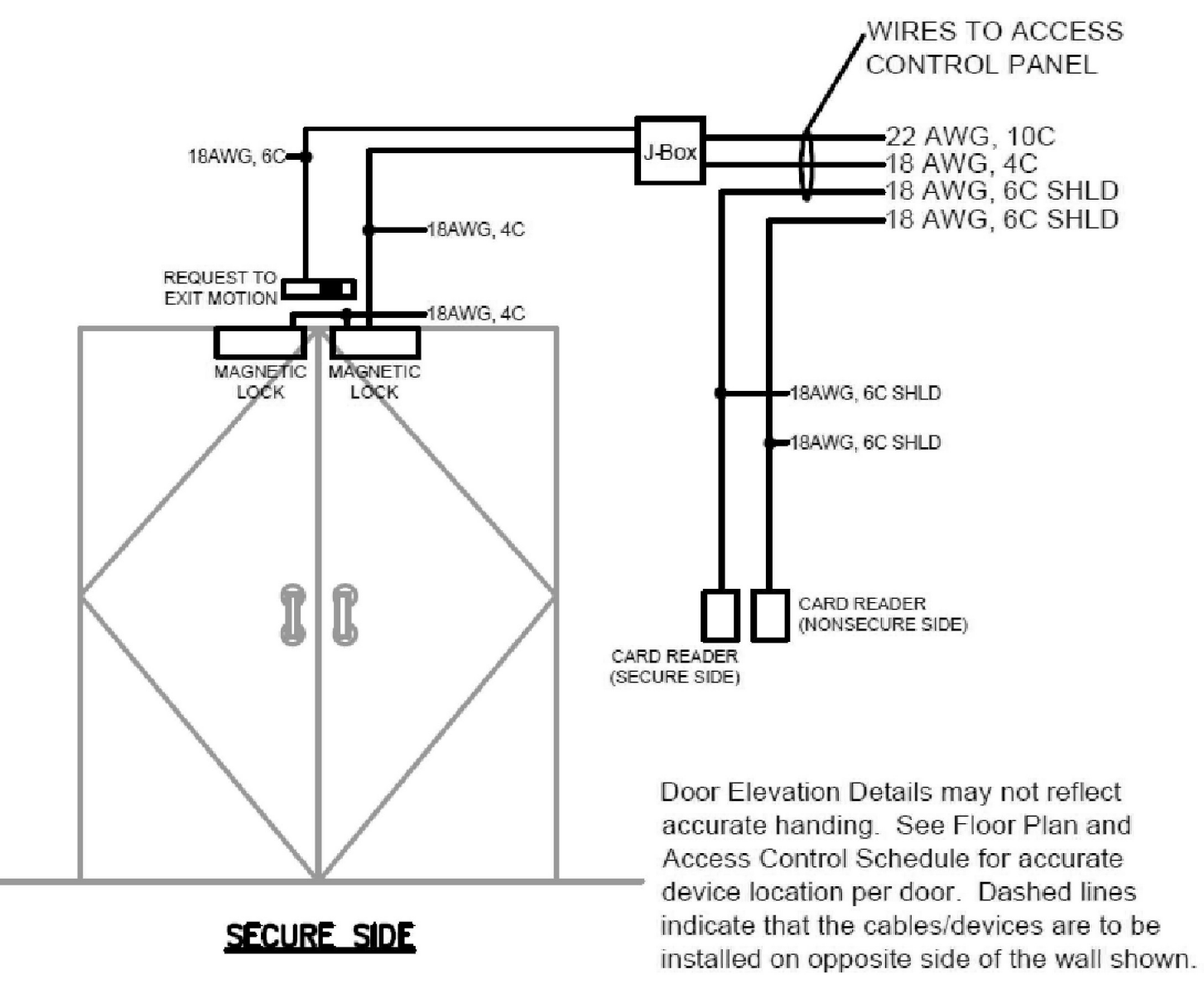
8 ELECTRIC CHARGING STATION CONCRETE BASE DETAIL
NOT TO SCALE

LIGHTING CONTROL NOTES:

- DIGITAL TIME CLOCK SHALL BE TORX #DGLC200A-NC WITH PHOTOCELL #EPC-A INCLUDED, PROVIDE NEMA 1 ENCLOSURE. INSTALL PHOTOCELL ON NORTH EAST CORNER OF BUILDING.
- E.C. SHALL SET TIMECLOCK TO TURN LIGHTS OFF AS COORDINATED WITH OWNER.
- INSTALL SYSTEM PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- LIGHTING CONTACTOR #1 SHALL BE 8903-LG20-V02 AND LIGHTING CONTACTOR #2 SHALL BE 8903-LG40-V02 AS MANUFACTURED BY SQUARE D OR APPROVED EQUAL.



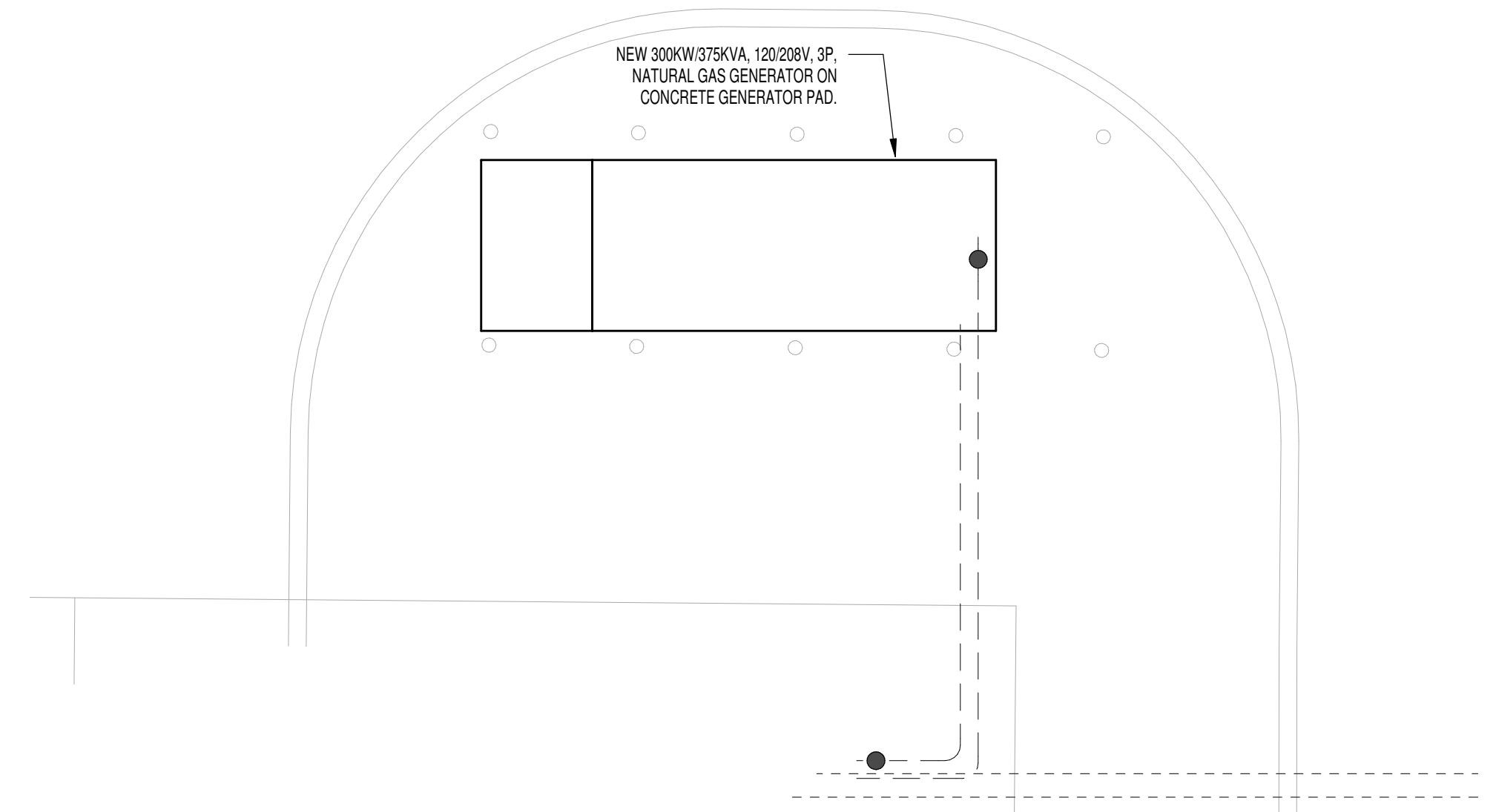
9 ELECTRONIC STRIKE DOOR DETAIL
NOT TO SCALE



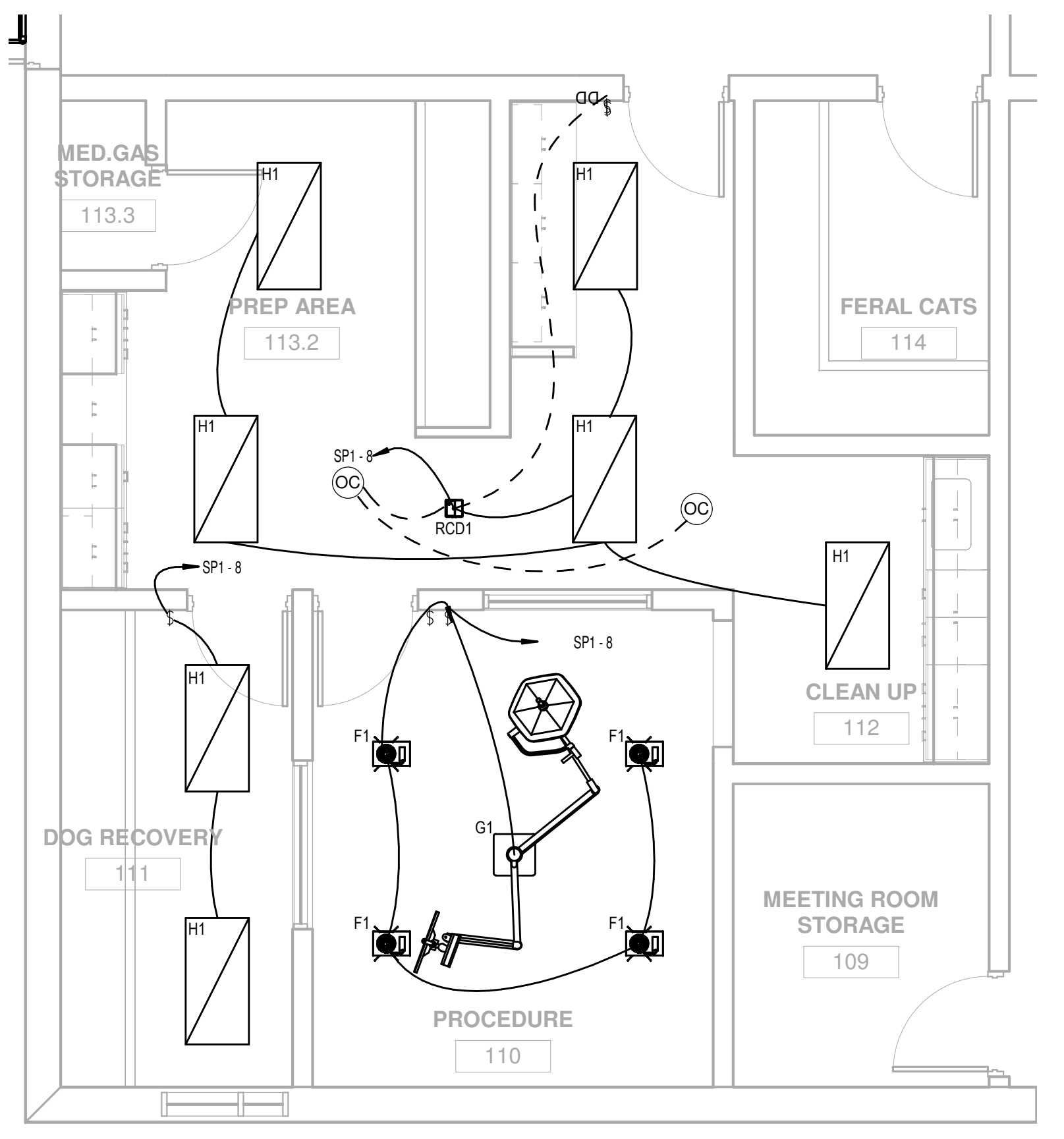
10 MAGNETIC LOCK DOOR DETAIL
NOT TO SCALE

KEYNOTES

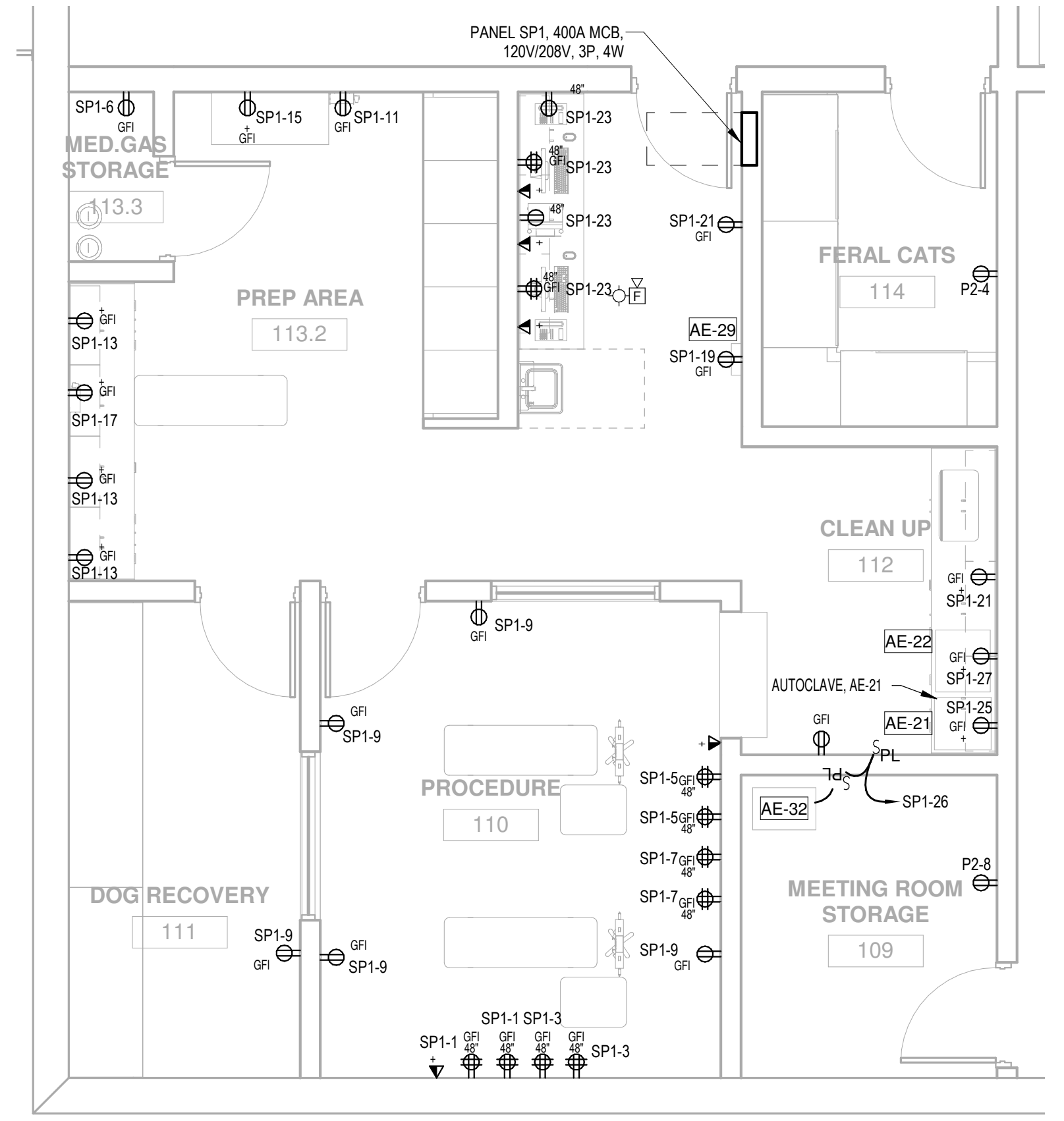
1 ALL DISCONNECTS AND MOTOR STARTERS SHOWN LIGHT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL DISCONNECTS AND MOTOR STARTERS SHOWN DARK SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.



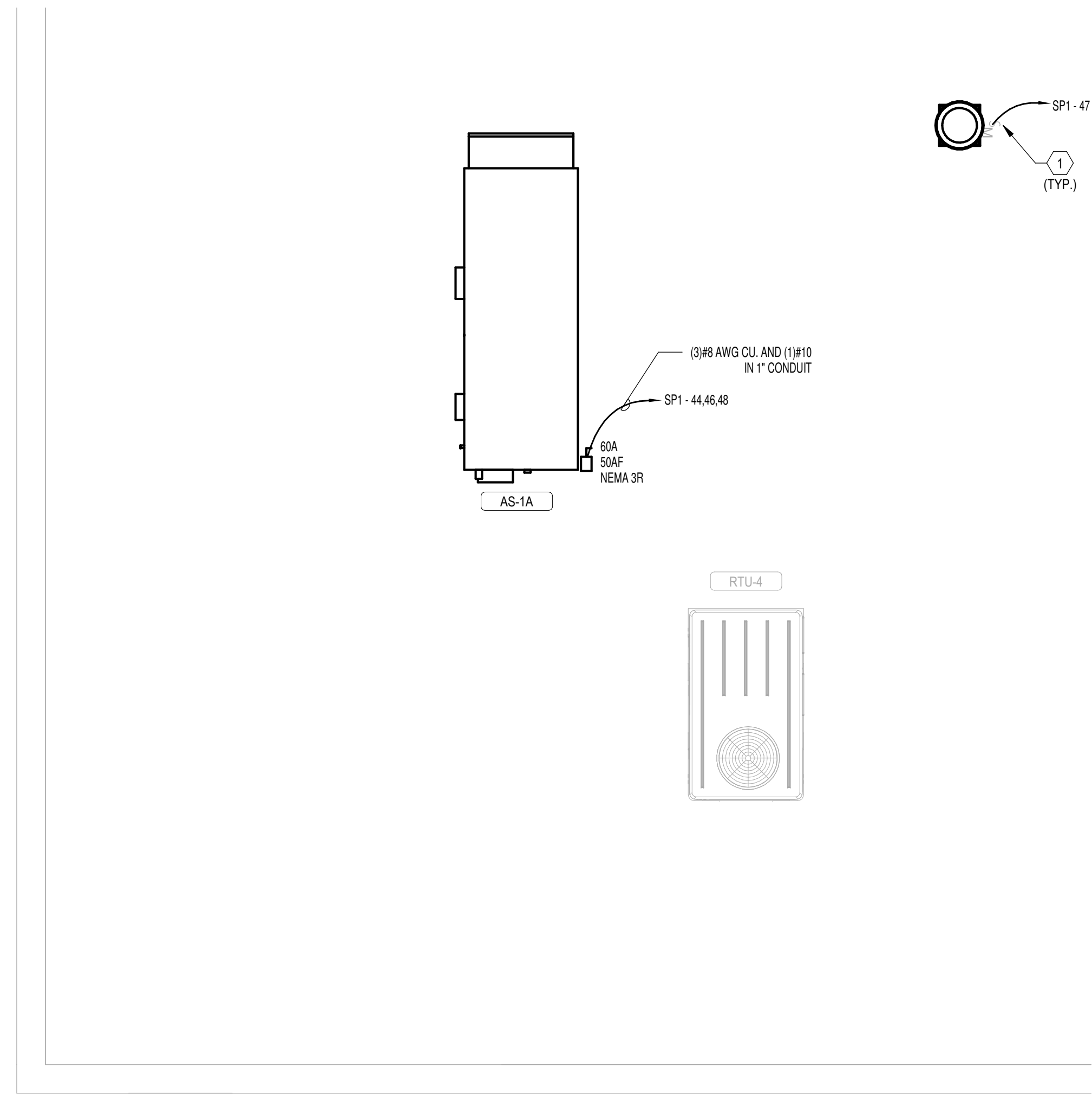
1 ALTERNATE 003: GENERATOR POWER PLAN
1/4" = 1'-0"



2 ALTERNATE 004: SPAY/NEUTER CLINIC - ELECTRICAL LIGHTING PLAN



3 ALTERNATE 004: SPAY/NEUTER CLINIC - ELECTRICAL POWER PLAN
1/4" = 1'-0"

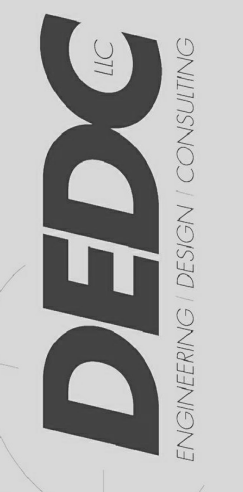


4 ALTERNATE 004: SPAY/NEUTER CLINIC - ELECTRICAL ROOFTOP NEW WORK PLAN

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCH, PE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY ANIMAL CARE CENTER
6690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 18-034
PROJECT SET: PERMIT
DATE ISSUED: 12/23/2019

DRAWING TITLE:
ALTERNATES 003 & 004 - GENERATOR AND SPAY/NEUTER CLINIC
SHEET NUMBER:

E1001

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, SCOTT A. FRENCK, PE, AND THAT I AM A DUAL LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER: #47259 EXPIRATION DATE: 9-23-2021

CONSULTANT:



CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

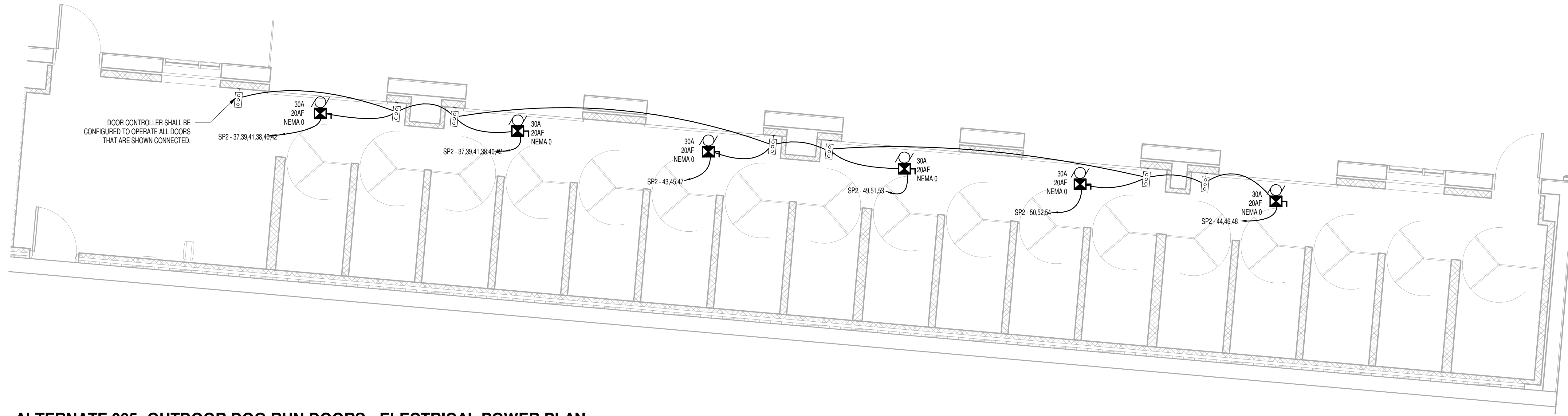
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019

DRAWING TITLE:
ALTERNATES 005 & 006
-OUTDOOR DOG RUN
ALTERNATES
SHEET NUMBER:

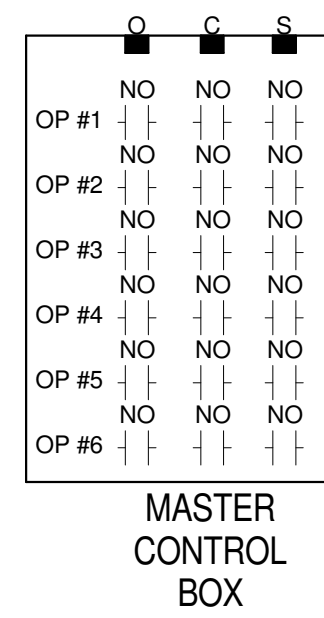
E1002

12/19/2019 3:55:30 PM

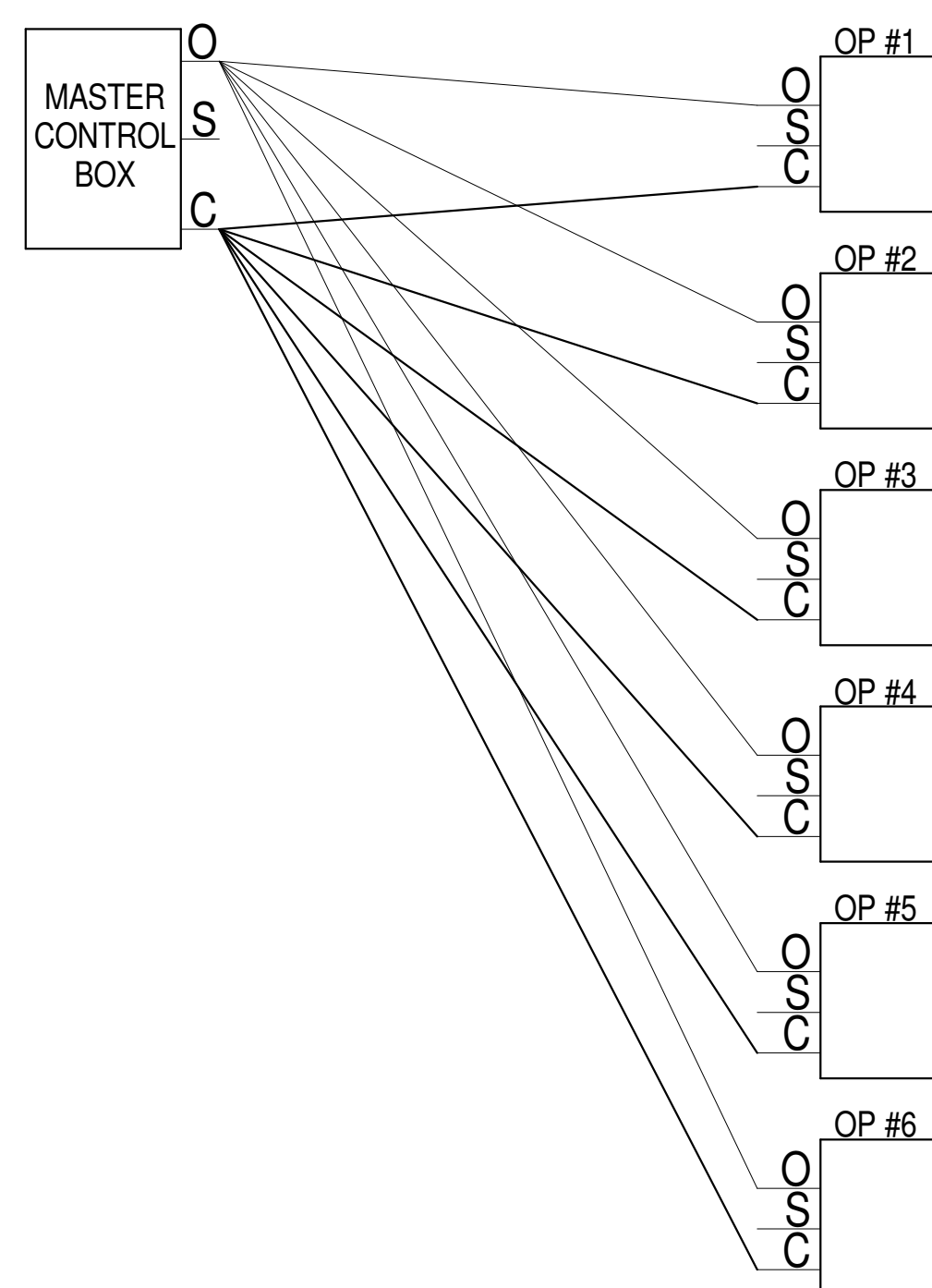


1 ALTERNATE 005: OUTDOOR DOG RUN DOORS - ELECTRICAL POWER PLAN
1/4" = 1'-0"

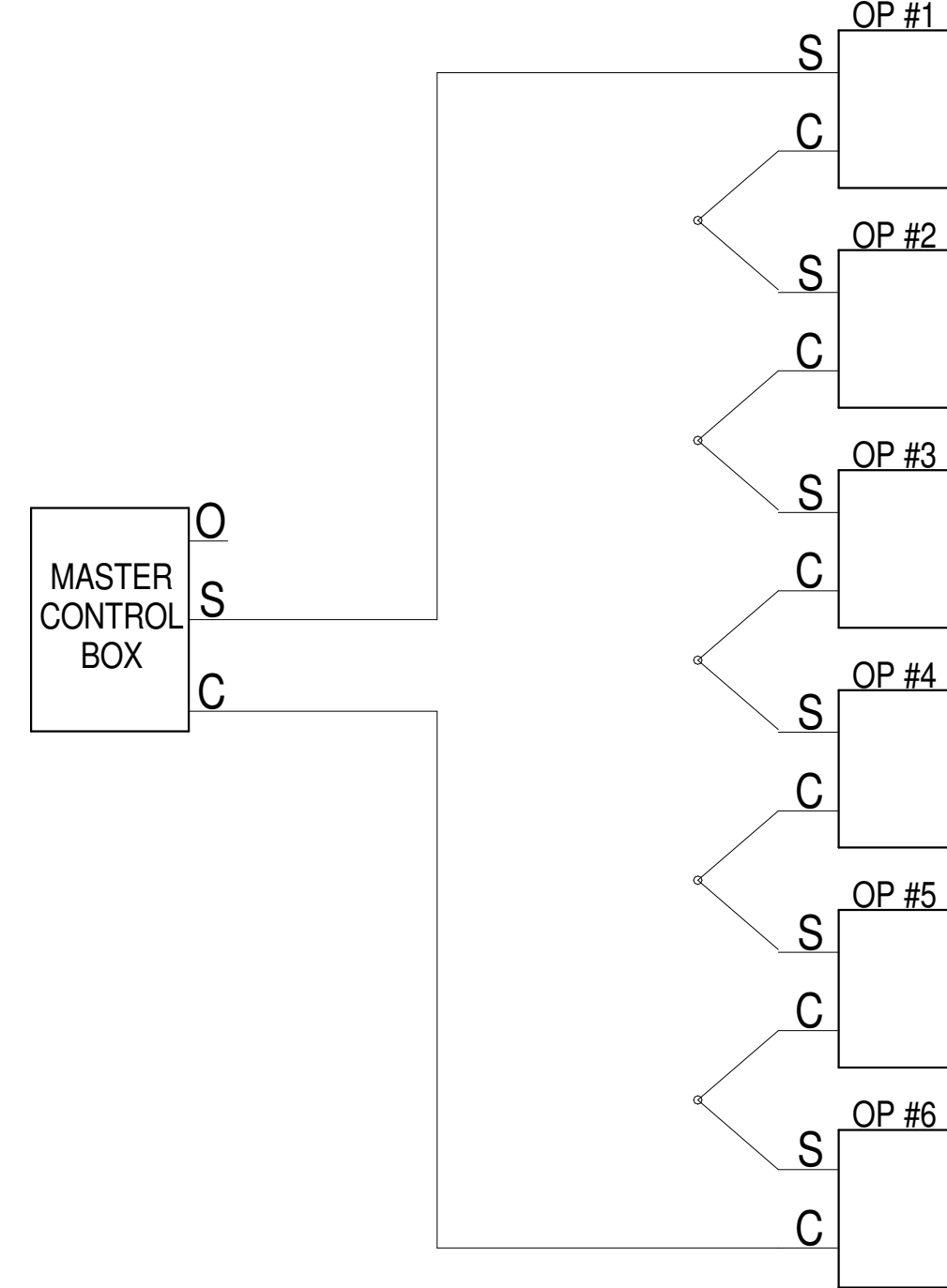
MCB INTERIOR



OPEN/CLOSE WIRING DIAGRAM



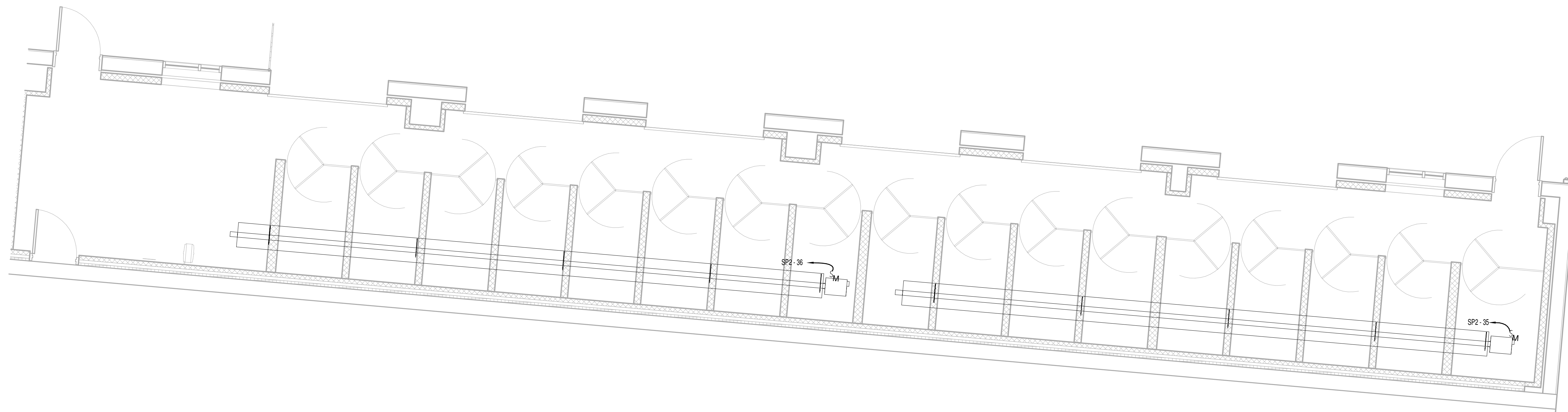
STOP BUTTON WIRING DIAGRAM



OVERHEAD DOOR WIRING DIAGRAM NOTES

1. ALL LOW VOLTAGE(24V) WIRING SHALL BE #16 AWG COPPER. ALL LINE VOLTAGE WIRING SHALL BE #12 AWG COPPER. E.C. SHALL COORDINATE ALL WIRING REQUIREMENTS IN FIELD PRIOR TO INSTALLATION.

2 ALTERNATE 005: DOG RUN OVERHEAD DOOR WIRING DIAGRAMS
NOT TO SCALE

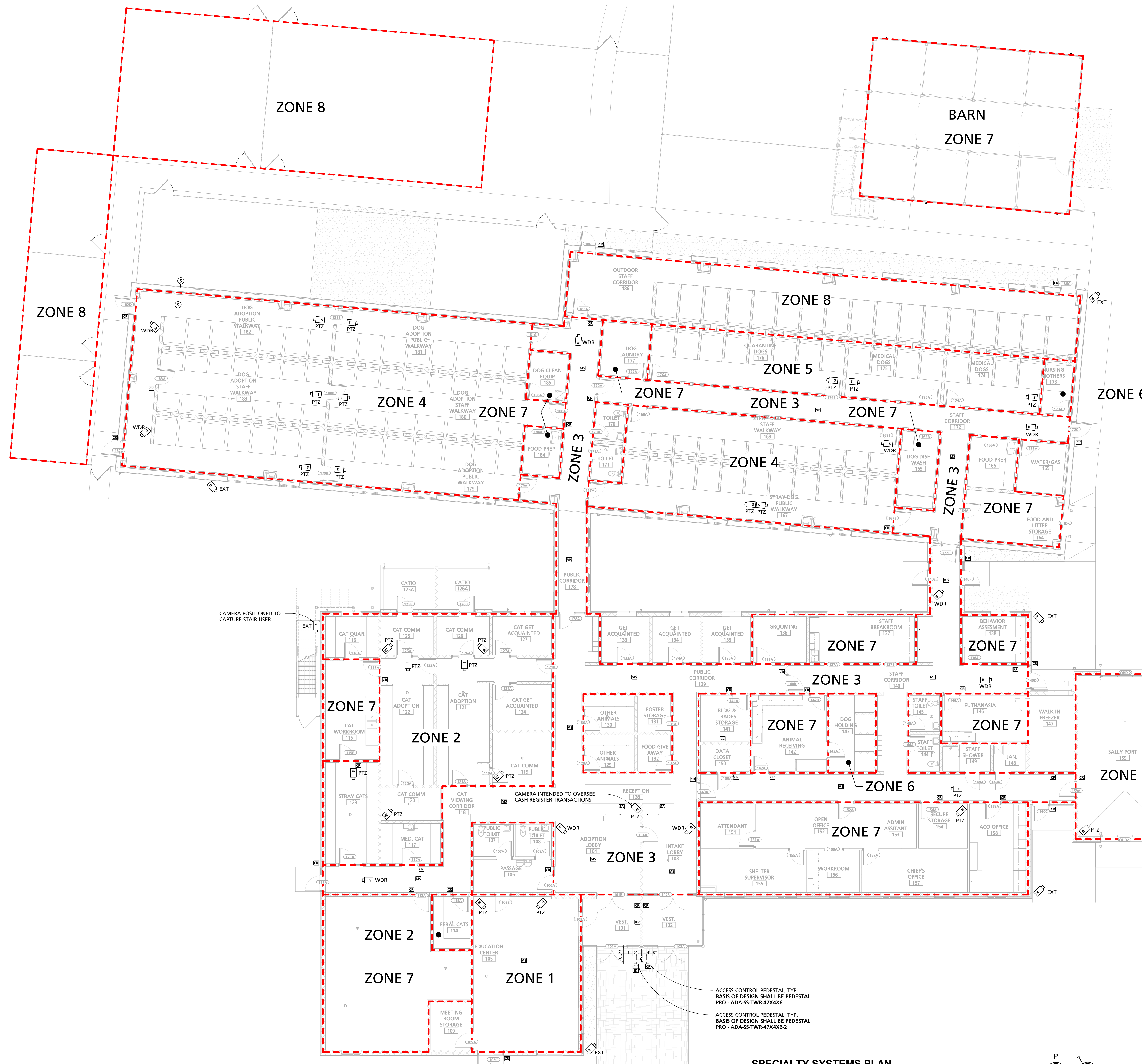


3 ALTERNATE 006: OUTDOOR DOG RUN HEATERS - ELECTRICAL POWER PLAN
1/4" = 1'-0"



GENERAL SPECIALTY SYSTEMS NOTES

- THESE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES TO RELAY THE DESIGN INTENT. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND DESIGN/BUILD SERVICES NECESSARY FOR DESIGN AND CONSTRUCTION OF FULLY FUNCTIONING SPECIALTY SYSTEMS. CONTRACTOR SHALL COORDINATE SYSTEM COMPONENTS AND FUNCTIONALITY WITH THE CLIENT.
- GC SHALL PROVIDE PERMIT, WIRE, WIRING, SYSTEM INSTALLATION, REQUIRED POWER, AND OUTLETS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING CODE COMPLIANT SYSTEM.
- ALL LOCATIONS/PATH OF WIRES SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ALL WIRING SHALL BE CONCEALED WHERE POSSIBLE. WHERE WIRING IS UNABLE TO BE CONCEALED, WIRING SHALL BE INSTALLED WITH CONDUIT TO BE PAINTED. ALL INTERIOR AND EXTERIOR RUNS NOT IN THE GROUND SHALL BE PROVIDED IN EMT CONDUIT. ALL EXTERIOR RUNS UNDERGROUND SHALL BE PROVIDED IN SCHEDULE 80 PVC CONDUIT. THE RUN PATHWAYS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. THE INSTALLING CONTRACTOR SHALL COORDINATE THE PATHWAYS REQUIRED FOR THE ELECTRICAL AND LOW VOLTAGE WIRING.
- SPECIALTY SYSTEMS ARE A DELEGATED DESIGN AND SHALL BE DESIGN, PROVIDED, AND INSTALLED BY THE CONTRACTOR'S SUB. "SPECIALTY SYSTEMS" INCLUDES SECURITY SYSTEMS (PANIC BUTTONS, INTERCOMS, GATE CONTROLS, ACCESS CONTROL, ALARM, SURVEILLANCE, PEDESTALS, ETC.) AND PUBLIC ADDRESS SYSTEMS (SPEAKERS, CONNECTIVITY EQUIPMENT, SOFTWARE, ETC.).
- PUBLIC ADDRESS SYSTEM FUNCTIONALITY: THE PUBLIC ADDRESS SYSTEM SHALL BE SEPARATED INTO DIFFERENT ZONES AND CAPABLE OF PAGING, INTERCOMS, AND PLAYING A CONSTANT STREAM OF AUDIO. SPEAKERS SHALL BE PROVIDED TO ADDRESS DIFFERENT TYPES OF LOCATIONS INCLUDING WET LOCATIONS AND EXTERIOR LOCATIONS. CONTRACTOR'S VENDOR TO PROVIDE LOCATIONS OF SPEAKERS PER THE GC'S VENDOR'S DESIGN RECOMMENDATIONS.
- PUBLIC ADDRESS SYSTEM - PAGING: THE PAGING SYSTEM SHALL BE COMPATIBLE WITH COUNTY'S PHONE SYSTEM VIA INFORMACAST. THE PHONES & INFORMACAST ARE COUNTY PROVIDED AND COUNTY INSTALLED, REFER TO THE DRAWING SET FOR LOCATIONS.
- PUBLIC ADDRESS SYSTEM - AUDIO: THE AUDIO FEED PLATFORM AND REQUIRED EQUIPMENT WILL BE LOCATED WITHIN THE CONTRACTOR PROVIDED RACK WHICH LOCATED IN THE DATA CLOSET. COORDINATE WITH OTHER ITEMS BEING LOCATED IN THIS ROOM. THIS SYSTEM SHALL ALSO BE COMPATIBLE WITH THE SECURITY SYSTEM AS REQUIRED FOR THE SECURITY SYSTEM SCOPE.
- SECURITY SYSTEM FUNCTIONALITY: CARD READER ACCESS, CAMERAS, BUILDING ALARM, SILENT ALARM, INTERCOMS, AND GATE CONTROLS SHALL BE CONTROLLED AND MONITORED VIA THE COUNTY'S SOFTWARE (KEYSCAN AURORA) THAT WILL BE LOCATED ON THE COUNTY'S SERVER.
- SECURITY SYSTEM - ACCESS CONTROL: GC TO PROVIDE REQUIRED ON-SITE EQUIPMENT & WIRING. COUNTY WILL MAKE FINAL CONNECTIONS TO THE COUNTY'S NETWORK SWITCH. ALL OTHER CONNECTIONS IN THE FILED SHALL BE MADE BY THE GC. CONTRACTOR SHALL ALSO ADDRESS PROGRAMMING. REFER TO SPECIALTY SYSTEM FLOOR PLANS FOR LOCATIONS OF COMPONENTS. SECURITY CONTRACTOR SHALL PROVIDE THE ELECTRICAL STRIKES & DOOR CONTACTS PER THE DOOR HARDWARE SCHEDULE. COORDINATE WITH THE FULL SET OF CONSTRUCTION DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ELECTRICAL. REMOTE-LOCATE TRANSFORMERS FOR ELECTRIC STRIKES ABOVE CEILING.
- SECURITY SYSTEM - ACCESS CONTROL: REQUIRED COMPONENTS ARE CARD READERS: KEYSCAN-K-PROX3 OR HID-5395, ELECTRIC STRIKES: HES-8000C OR RCH5650, CONTROLLER: KEYSCAN CAB900 (1 FOR EVERY 8 DOORS), CONTROLLER PERIPHERALS: KEYSCAN NETCOMP (1 PER FTE), KEYSCAN CIM (1 PER CONTROLLER), 640 PLUG IN TRANSFORMER (2 PER CONTROLLER), 12VAH BATTERY (1 PER CONTROLLER), LOCK POWER SUPPLIES: ALTRONIX-AL80ULACMCM. MUST BE WIRED TO LOCK IS POWERED USING TRIGGERED INPUTS (1 PER CONTROLLER). PROVIDE A MINIMUM OF 3 SPARES IN THE DOOR ACCESS CONTROLLER.
- SECURITY SYSTEM - CAMERAS: THE CAMERAS ARE SEPARATED INTO BUILDING, SHELTER, AND WEBCAM IDENTIFICATION. FINAL SYSTEM SHALL BE DIVIDED INTO THESE DIFFERENT CAMERA SYSTEMS WHICH SHALL HAVE MULTIPLE OUTPUT OPTIONS PER SYSTEM. COUNTY WILL PROVIDE SOFTWARE, STORING DRIVES, AND CAMERAS. THE CONTRACTOR SHALL PROVIDE WIRING FROM IT CLOSET, TERMINATE, LABEL, AND TEST ALL WIRES AND PROVIDE TESTING DOCUMENTATION. WIRING SHALL BE YELLOW CATE.
- SECURITY SYSTEM - SILENT ALARM: ACTUATION OF THE SILENT ALARM SHALL DIAL DIRECTLY TO EMERGENCY SERVICES (911) TO REQUEST AN EMERGENCY RESPONSE. THE FINAL LOCATION OF THE SILENT ALARM BUTTON DEVICE SHALL BE COORDINATED WITH THE COUNTY.
- SECURITY SYSTEM - BUILDING ALARM: GC'S SECURITY VENDOR TO PROVIDE FULLY FUNCTIONING SYSTEM. COUNTY WILL ADDRESS MONITORING. SYSTEM SHALL BE DSC POWER SERIES OR NEO. THE BUILDING ALARM WILL SOUND THROUGH THE PUBLIC ADDRESS SPEAKERS AND WILL SEND OUT A NOTIFICATION TO "TO BE DETERMINED" COUNTY OFFICIALS. THE BUILDING ALARM WILL INCLUDE INTRUSION DETECTION VIA DOOR CONTACTS, MOTION SENSORS, AND GLASS-BREAK IDENTIFICATION.
- SECURITY SYSTEM - INTERCOMS: THE INTERCOMS WILL INCLUDE DOORBELL AND INTERCOM FUNCTIONS VIA INTERCOM KITS AND COUNTY PROVIDED PHONES. THE INTERCOM KIT WILL INCLUDE A DOORBELL AND SPEAKER FOR INTERCOM AND ACCESS CONTROL AS REQUIRED. THE DOORBELL WILL RING THROUGH PHONES AND PUBLIC ADDRESS SPEAKERS TO NOTIFY STAFF OF A REQUEST TO CONTACT AND THE INTERCOM WILL CONNECT TO THE COUNTY PROVIDED PHONES. THE COMMUNICATION BETWEEN THE COUNTY PROVIDED PHONES AND THE INTERCOM KITS WILL NEED TO INCLUDE NOTIFICATIONS OF WHICH INTERCOM KIT IS REQUESTING CONTACT, INTERCOM, AND DOOR/GATE CONTROL.
- FURNISH AND INSTALL A COMPLETE ALL SYSTEMS WITH THE PERFORMANCE CRITERIA OUTLINED. THE SYSTEM SHALL BE INCLUSIVE OF ALL NECESSARY FUNCTIONS, MONITORING, CONTROL CAPABILITY, AND EQUIPMENT AS REQUIRED TO PROVIDE A FULLY FUNCTIONING SYSTEM. PROVISION OF THE POWER SUPPLY SHALL BE UNDER THE SCOPE OF THIS SUB-CONTRACT. COORDINATE WITH THE ELECTRICAL DRAWINGS FOR AVAILABLE POWER VIA SPARES PROVIDED AND THE REQUIRED CONNECTION TO THE GENERATOR AND THE ASSOCIATED ELECTRICAL PANEL.
- ALL CABLE ENCLOSURES INCLUDING CONDUITS, CABLE TRAYS, DUCTS, WALL BOXES, TERMINATION PANELS, AND ELECTRICAL REQUIREMENTS AND THE LIKE THAT ARE REQUIRED TO FACILITATE AND COMPLETE THE INSTALLATION SHALL BE SUPPLIED AND INSTALLED AS PART OF THIS SCOPE OF WORK. PROVIDE WIRING AS REQUIRED FOR CONNECTIONS BETWEEN SYSTEM COMPONENTS. PROVIDE ACCESSORY RACKS/CABINETS AS REQUIRED FOR EQUIPMENT MOUNTING AND COORDINATE FINAL LOCATIONS WITH COUNTY. CABLING SHALL BE COLOR CODED AND ORGANIZED BY SYSTEM TYPE.
- ALL WORK SHALL CONFORM TO THE NATIONAL STANDARDS AND CODE OF PRACTICES. ALL EQUIPMENT, SYSTEMS AND MATERIALS FURNISHED AND INSTALLED IN THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE APPLICABLE ACCESS.
- THESE SYSTEMS SHALL BE DESIGNED TO ALLOW FORESEEABLE ORGANIZATIONAL CHANGES AND PROCEDURAL CHANGES BEYOND CURRENT PLANS. ADDITIONAL HARDWARE UNITS SHALL EASILY BE ADDED WITHOUT ANY MODIFICATION TO THE EXISTING HARDWARE, SOFTWARE AND NETWORK CONFIGURATION. ALL SYSTEMS SHALL PROVIDE AT LEAST 10% SPARE FOR EXPANSION AND CONNECTION FOR POSSIBLE FUTURE EXPANSION.
- THE CONTRACTOR SHALL UPON COMPLETION OF THE INSTALLATION PROVIDE COMPLETE TRAINING WITH DOCUMENTATION ON THE CONFIGURATION, OPERATION, AND MAINTENANCE OF THE SYSTEM TO THE REQUIRED OPERATORS ASSIGNED BY THE COUNTY. AT LEAST TWO (2) TRAINING SESSIONS COVERING SYSTEM OPERATIONS SHALL BE PLANNED AND PROVIDED TO OPERATORS AND TWO (2) SESSION COVERING ADMINISTRATION AND MANAGEMENT FOR ADMINISTRATORS. TRAINING SESSIONS SHALL BE RECORDED AND A DVD COPY SHALL BE PROVIDED TO THE COUNTY.
- ALL COMPONENTS, PARTS, AND ASSEMBLIES SUPPLIED AND INSTALLED BY THE CONTRACTOR SHALL BE WARRANTED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF AT LEAST 24 MONTHS WHICH INCLUDE PARTS AND LABOR. CONTRACTOR TO PROVIDE A COPY OF THE MANUFACTURER'S WARRANTY FOR ALL EQUIPMENT AND MATERIAL.



1 SPECIALTY SYSTEMS PLAN
1/8" = 1'-0"

SPECIALTY SYSTEM LEGEND

TAG	DESCRIPTION	COMMENTS
CR	CARD READER LOCATION	
CC	CARD ACCESS CONTROLLER & COMPONENTS	
MS	MOTION SENSORS IN THIS AREA	NUMBER OF SENSORS TO BE DETERMINED BY GC/VENDOR
SA	SILENT ALARM LOCATION	
IK	INTERCOM KIT	DOOR BELL TO PLAY THROUGH ALL SPEAKERS AND PHONES
BA	BUILDING ALARM KEYPAD LOCATION	
CB	CAMERA LOCATION - BUILDING SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
CS	CAMERA LOCATION - SHELTER SURVEILLANCE	OWNER PROVIDED, CONTRACTOR INSTALL
WC	WEBCAM LOCATION	OWNER PROVIDED, CONTRACTOR INSTALL
PTZ	CAMERA DESIGNATION - PAN TILT ZOOM	MAKE/MODEL: AXIS M3045-V
EXT	CAMERA DESIGNATION - EXTERIOR	MAKE/MODEL: AXIS M3225-LVE
WDR	CAMERA DESIGNATION - WIDE DYNAMIC RANGE	MAKE/MODEL: AXIS M3105-L
ZONE 1-3	INDIVIDUAL MUSIC & PA ZONES VIA INTERIOR SPEAKERS	
ZONE 4-6	INDIVIDUAL MUSIC & PA ZONES VIA MOISTURE RESISTANT SPEAKERS	
ZONE 7	PA ZONE VIA PHONES - NO MUSIC	PHONES ARE OWNER PROVIDED AND INSTALLED
ZONE 8	PA ZONE VIA EXTERIOR SPEAKERS - NO MUSIC	
- - -	PA/MUSIC ZONE BOUNDARY	

CHARLES COUNTY
CHARLES COUNTY ANIMAL CARE CENTER
5690 PINEY CHURCH ROAD
WALDORF, MARYLAND 20602

NO. DESCRIPTION DATE
PROJECT NUMBER:
18-034
PROJECT SET:
PERMIT
DATE ISSUED:
12/23/2019
DRAWING TITLE:
SPECIALTY SYSTEMS
SHEET NUMBER:
SS100